EPA REGISTRATION NUMBER 42750-101 – VOL. 1

U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (7505C)
1200 Pennsylvania Ave., N.W.
Washington, D.C. 20460

NOTICE OF PESTICIDE:

_X_ Registration
__ Reregistration

(under FIFRA, as amended)

EPA Reg. Number:	Date of Issuance:
42750-101	6/30/2005

Term of Issuance: Conditional

Name of Pesticide Product: Acetochlor 7.0 EC

Name and Address of Registrant (include ZIP Code):

Albaugh Inc
PO BOX 2127
Valdosta, GA 31604-2127

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A) provided you agree in writing to:

1. Change EPA Reg. No. on label from 42750-xx to 42750-101.

2. Add appropriate EPA establishment number on label.

3. Submit both storage stability (830.6317) and corrosion characteristics (830.6320) studies to the Agency within 1 year from the date of this letter.

4. Add the statement "Contains petroleum distillate." beneath the Ingredient Statement.

5. Add a Note To Physician statement underneath the First Aid section that states: "May pose aspiration pneumonia hazard. Contains petroleum distillate."

6. Revise the Precautionary Statements to the following: "WARNING. Causes substantial but temporary eye injury. Wear protective eyewear [goggles, face shield, or safety glasses]. Causes skin irritation. Avoid contact with skin, eyes or clothing. Harmful if swallowed or inhaled. Avoid breathing vapor or spray mist. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling."

Signature of Approving Official:	Date:
James Tompkins, Product Manager (25) Herbicide Branch, Registration Division (7505C)	6/30/2005

EPA Form 8570-6

7. On page 20 and page 32, under approved application systems, correct to Dry **BULK** Fertilizer Impregnation.

8. On pages 21 and 25, under the atrazine tank mix section, change the statement from "DO NOT graze treated area or feed treated forage to livestock for 21 days following application of this tank mixture." to "DO NOT graze treated area or feed treated forage to livestock for **60** days following application of this tank mixture."

9. On page 22, correct the Princep tank mix table so that under the Acetochlor column for medium texture soil, the rate is **2.25** pints, and the rate in the fine texture soil row is **2.25-2.5** pints.

10. On page 24, correct the Roundup tank mix table so that the rate is given in OUNCES for Roundup WeatherMAX, and change the rate for Acetochlor in the medium soil texture row to **1.1** to 2.25, and change the rate in the fine texture row to **1.1 to 2.75.**

11. On page 29, in the Acetochlor and Marksman tank mix section, Postemergence Surface application method, change the statement "Apply this tank mixture before grasses reach the 2-leaf stage and the corn reaches 6 inches in height." to "Apply this tank mixture before grasses reach the 2-leaf stage and the corn reaches **8** inches in height."

12. Change the If Swallowed Statement in the FIRST AID section to reflect that the product contains petroleum distillates:
"IF SWALLOWED:
-Call a poison control center or doctor immediately for treatment advice.
-Do not induce vomiting unless told to do so by a poison control center or doctor.
-Do not give any liquid to the person.
-Do not give anything by mouth to an unconscious person."

Please note: Policy and Criteria Notice 2163.1 states that the Agency will not conduct a detailed review of such liability disclaimers or purported buyer agreement to assume risk; the approval of labels with such statements should not be construed as a decision by the Agency that the language is not misleading, and that the label language might eventually have to change.

You will submit one (1) copy of your final printed labeling before you release the product for shipment. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). A stamped copy of labeling is enclosed for your records.

If you have any questions, please contact Hope Johnson at 703-305-5410.

James Tompkins
Product Manager (25)
Herbicide Branch
Registration Division (7505C)

RESTRICTED USE PESTICIDE

Due to oncogenicity. For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.

ACETOCHLOR 7.0 EC

An emulsifiable herbicide for weed control in Field Corn, Production Seed Corn, Silage Corn and Popcorn.

1.0 ACTIVE INGREDIENT:

*Acetochlor	74.8%
OTHER INGREDIENTS:	25.2%
TOTAL:	100.0%

*Contains 839 grams/litre or 7.0 pounds/gallon of 2-chloro-N-ethoxymethyl-N-(2-ethyl-6-methyl phenyl) acetamide.

KEEP OUT OF REACH OF CHILDREN.

WARNING! AVISO!

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

FIRST AID	
IF IN EYES	• Hold eye open and rinse slowly ant gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
IF ON SKIN OR CLOTHING	• Take off contaminated clothing • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a Poison Control center or doctor for treatment advice. • Sensitized persons should avoid further contact and reuse of contaminated clothing.
IF SWALLOWED	• Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
IF INHALED	• Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice
Have the product container label with you when calling the a poison control center or doctor, or going for treatment.	

Read the entire label before using this product. Use only according to label instructions. Read "LIMIT OF WARRANTY AND LIABILITY" before buying or using. If terms are not acceptable, return at once unopened.

THIS IS AN END-USE PRODUCT. ALBAUGH, INC. DOES NOT INTEND AND HAS NOT REGISTERED IT FOR REFORMULATION. IT IS INTENDED THAT REPACKAGING BE ONLY IN ACCORDANCE WITH A ALBAUGH REPACKAGING OR TOLL REPACKAGING AGREEMENT

EPA Reg. No. 42750-xx

EPA Est. No. xxxxx-xx-xxx

NET CONTENTS:

ACCEPTED
with COMMENTS
in EPA Letter Dated
JUN 30 2005
Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No.
42750-101

Manufactured For:
ALBAUGH, INC.
ANKENY, IA 50021

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2.0 In case of an emergency involving this product, or for user safety information on this product, Call CHEMTREC toll free at 1-800-424-9300.

3.0 PRECAUTIONARY STATEMENTS

3.1 Hazards to Humans and Domestic Animals

WARNING. Causes substantial but temporary eye and skin irritation. Harmful if swallowed or inhaled. May cause allergic skin reaction. Avoid contact with skin, eyes, or clothing. Avoid breathing vapor or spray mist. Wash thoroughly with soap and water after handling.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some of the materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category A on an EPA chemical-resistance category selections chart.

Applicators and other handlers must wear:
1. Coveralls over short-sleeved shirt and short pants
2. Chemical-resistant gloves made of any waterproof material such as polyethylene or polyvinyl chloride.
3. Chemical-resistant footwear plus socks
4. Protective eyewear
5. Chemical-resistant head-gear for overhead exposure and
6. Chemical-resistant apron when cleaning equipment, mixing, or loading.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard MPS) for agricultural pesticides [40 CFR 170.240(4)(4-6)), the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

User should:
1. Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
2. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
3. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

3.2 ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

This chemical demonstrates the properties and characteristics associated with chemicals detected in ground water. The use of this chemical in areas where soils are permeable, particularly where the ground water is shallow, may result in ground water contamination.

Acetochlor has properties that may result in surface water contamination via dissolved runoff and runoff erosion. Practices should be followed to minimize the potential for dissolved runoff and/or runoff erosion.

4.0 DIRECTIONS FOR USE

It is a violation of Federal law to use this product in any manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulations.

Read each of these sections of this label for essential product performance information.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

Exception: if the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, are:

1. Coveralls over short-sleeved shirt and short pants
2. Chemical-resistant gloves made of any waterproof material such as polyethylene or polyvinyl chloride.
3. Chemical-resistant footwear plus socks
4. Protective eyewear
5. Chemical-resistant headgear for overhead exposure.

4.1 STORAGE AND DISPOSAL

Do not contaminate water, foodstuffs, feed or seed by storage or disposal.

PESTICIDE STORAGE: Keep container closed to prevent spills or contamination.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticide disposal or in accordance with applicable Federal, state or local procedures.

CONTAINER DISPOSAL: Emptied container retains vapor and product residue. Observe all labeled safeguards until container is cleaned, reconditioned, or destroyed.

[Container label option for Bulk and Minibulk]

Instructions for Users: When the container is empty, replace the cap and seal all openings that have been made during usage, and return the container to the point of purchase, or to an alternate location designated by the registrant at the time of purchase of this product. If not returned to the point of purchase or a designated location, triple rinse or pressure rinse the empty container and offer it for recycling if available. If not refilled or recycled, then puncture and dispose of in a sanitary landfill, or by incineration or, if allowed by state and local authorities by burning. If burned, stay out of smoke,

Instructions for Users and Refillers: This container meet only be refilled with this pesticide product. Do not reuse this container for any other purpose. Do not transport if this container is damaged or leaking. If the container is damaged or leaking or obsolete, or to obtain information about recycling refillable containers,

contact Albaugh, Inc. Cleaning is not necessary prior to refilling with the same product. Clean container before final disposal. Disposal of this container must be in compliance with state arid local regulations.

Instructions for Refillers: Prior to refilling, inspect carefully for damage such as cracks, punctures, abrasions, worn out threads and closure devices. Check for leaks after milling and before transporting. If the container cannot be refilled, triple rinse or pressure test the empty container and offer for recycling if available. If not refilled or recycled, then puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state end local authorities, by burning. If burned, stay out of smoke.

[container label option for plastic 1-way containers]

Do not reuse container. Triple rinse containers, then puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by if burned, stay out of smoke.

[Container label option for drums]

Do not reuse container. Return container per the Albaugh container return program. If not returned, triple rinse container, than puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed be state and local authorities by burning. If burned, stay out of smoke.

5.0 GENERAL INFORMATION

ACETACHLOR 7.0 EC herbicide is recommended for control of yellow nutsedge and the annual grasses and broadleaf weeds listed in the "WEEDS CONTROLLED" section of this label. This product will not control emerged seedlings. This product may be applied either as a surface application before or after planting, or after crop emergence. This product may also be shallowly incorporated prior to planting to blend the herbicide treatment into the upper 1 to 2 inches of soil. Except for minimum or conservation tillage systems, the seedbed should be fine, firm and free of clods and trash.

Read and carefully observe precautionary statements and all other information appearing on the labeling of all products used in mixtures and sequential treatments.

5.1 USE RESTRICTIONS

- This chemical demonstrates the properties and characteristics associated with chemicals detected in ground water. The use of this chemical in areas where soils are permeable, particularly where the ground water is shallow, may result in ground water contamination. Do not apply to the following soils if ground water depth is 30 feet or less: sands with less than 3 percent organic matter; loamy sands with less than 2 percent organic matter; or sandy foams with less than 1 percent organic matter.

- This product may not be mixed or loaded within 50 feet of any wells (including abandoned wells and drainage wells), sink holes, intermittent streams and rivers, and natural or impounded lakes and reservoirs. This setback does not apply to properly capped or plugged abandoned wells and does not apply to impervious pad or properly diked mixing/loading areas.

- Operations that involve mixing, loading, rinsing, or washing of this product into or from pesticide handling or application equipment or containers within 50 feet of any well are prohibited unless conducted on an impervious pad constructed to withstand the weight of the heaviest load that may be positioned on or moved across the pad. Such a pad shall be designed and maintained to contain any product spills or equipment leaks, container or equipment rinse or washwater, and rainwater that may fall on pad. Surface water shall not be allowed to either flow over or from the pad, which means the pad must be self-contained. The pad shall be sloped to facilitate material removal. An unroofed pad shall be of sufficient capacity to contain a minimum of 110 percent of the capacity of the largest pesticide container or application equipment on the pad. A pad that is covered by a roof of sufficient size to completely exclude precipitation from contact with the pad shall have a minimum containment capacity of 100 percent of the capacity of the largest pesticide container or application equipment on the pad. Containment capacities as described above shall be

maintained at all times. The above specified minimum containment capacities do not apply to vehicles when delivering pesticide shipments to the mixing/loading site. States may have in effect additional requirements regarding wellhead setbacks and operational containment.

- Do not flood irrigate to apply or incorporate this product.
- Product must be used in a manner which will prevent back siphoning into wells, spills or improper disposal of excess pesticide, spray mixtures or rinsates.
- Do not apply this product through any type of irrigation system.
- Disposal of excess pesticide, spray mixtures or rinsate should be according to label use instructions or according to the State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA regional office.
- Do not apply under conditions which favor runoff or wind erosion of soil containing this product to non-target areas. To prevent off-site movement due to runoff or wind erosion:
    - Avoid treating powdery dry or light sandy soils when conditions are favorable for wind erosion. Under these conditions, the soil surface should first be settled by rainfall or irrigation.
    - Do not apply to impervious substrates such as paved or highly compacted surfaces or frozen or snow covered soils.
    - Do not use tailwater from the first flood or furrow irrigation of treated fields to treat non-target crops unless at least 1/2 inch of rain-fall has occurred between application and the first irrigation.
- Do not apply this product using aerial application equipment.
- Do not apply when wind conditions favor drift to non-target sites. To minimize spray drift to non-target areas:
    - Use low pressure application equipment capable of producing a large droplet spray. Do not use nozzles that produce a fine droplet spray. Minimize drift by using sufficient spray volume to ensure adequate coverage with large droplet size sprays.
    - Keep ground driven spray boom as low as possible above the target surface.
    - Make application when the wind velocity favors on-target product deposition (approximately 3 to 10 mph). Do not apply when wind velocity exceeds 15 mph. Avoid application when gusts approach 15 mph.
    - Low humidity and high temperatures increase the likelihood of spray drift to sensitive areas. Avoid spraying during conditions of low humidity and/or high temperatures. Do not apply during inversion conditions.
- Use of this product not consistent with this label may result in injury to persons, animals or crops, or other unintended consequences.
- Flush sprayer with clean water after use.
- Do not rotate to crops other than soybeans, corn (all types including sweet corn), milo (sorghum), wheat, or tobacco.

6.0 SOIL TEXTURE

Applicators should evaluate soil conditions carefully to assure that they choose the correct label rate. The

recommended use rates of this product and the other herbicides labeled for use in tank mixtures with this product vary with soil texture. Unless soil texture is specifically named, rate tables throughout this label refer to only three soil textural groups: coarse, medium and fine. The following is a complete listing of soil textures included in each of these three soil textural groups:

SOIL TEXTURAL GROUP	SOIL TEXTURE
COARSE:	sand, loamy sand, sandy loam
MEDIUM:	loam, silt loam, silt, sandy clay loam
FINE:	silty clay loam, clay loam, sandy clay, silty clay, clay

Refer to the above table to determine the corresponding soil textural group for the soil to be treated.

7.0 MIXING, SPRAYING AND HANDLING INSTRUCTIONS

NOTE: Direct contact or exposure to this product or spray mixtures of this product should be minimized. The following instructions for transfer, mixing, cleaning or repairing equipment should be followed in order to minimize this exposure. Review the protective clothing requirements as listed in the "PRECAUTIONARY STATEMENTS" section of this label and do not use this product until you have the necessary protective clothing.

2.5 Gallon Containers

Open pouring from these containers can result in exposure from splashing or spilling. Special care in lifting and pouring are strongly recommended.

Bulk Containers

Open pouring from these containers can result in exposure from splashing or spilling and is not recommended. This product should be transferred from these containers to the mix or spray tank using pumps or transfer probes. The probe or pump should not be removed from the container or disconnected until the container is emptied and rinsed. Use the pump or probe system to rinse the empty container and transfer the rinsate directly to the mix or spray tank.

7.1 Equipment Cleaning & Repair

Cleaning and repair of transfer systems and application equipment is a source of exposure to this product. Care should be taken to minimize exposure during cleaning and repair of transfer systems and application equipment. Whenever possible, these systems or equipment should be rinsed before being cleaned or repaired.

When repairs most be made during transfer or application, the equipment should be shut down, and special care taken to avoid contact with the pesticide.

7.2 Sprayer Compatibility

Always predetermine the compatibility of this product or labeled tank mixtures of this product with water carrier or sprayable fluid fertilizer carrier by mixing small proportional quantities in advance. See the "STANDARD SPRAYABLE FLUID FERTILIZER COMPATIBILITY TEST" section in this label to determine the compatibility of this product and the labeled tank mixtures recommended for use with sprayable fluid fertilizer carrier.

Mix this product or labeled tank mixture of this product with the appropriate carrier as follows:

1. Place a 20 to 35 mesh screen or wetting basket over filling port.
2. Through the screen, fill the sprayer tank one-half full with the appropriate carrier.
3. If a compatibility agent is necessary to improve mixing or to prevent the formation of undesirable and unsprayable gels or precipitates, while agitating add it to the carrier already in the tank. Use only compatibility agents cleared by FDA for this use. Read and follow all directions for use, cautionary statements and all other

information appearing on the selected compatibility agent label. Check for adequate agitation.

4. If a wettable powder or dry flowable formulation is used, make a slurry with water and add it slowly through the screen into the tank. Continue agitation.
5. If a flowable formulation is used, add slowly through screen into the tank. Mixing and compatibility may be improved when flow-able is pre-mixed one part flowable with one part water and added to the tank in diluted form.
6. Add this product slowly through the screen into the tank. Mixing and compatibility may be improved when this product is prediluted with two parts of water and added to the tank in diluted form.
7. Complete filling the sprayer tank with carrier. If a Roundup' agricultural herbicide or Gramoxone Extra is used, add the required amount near the end of the filling process. Remove hose from tank immediately after filling to avoid siphoning back into the carrier source.

Maintain good agitation at all times until the contents of the tank are sprayed.

NOTE: If spray mixture is allowed to settle at any time, thorough agitation is required to resuspend the mixture before spraying is resumed.

Keep by-pass line on or near bottom of tank to minimize foaming. Screen size in nozzle or line strainers should be 50 mesh. Carefully select proper nozzle to avoid spraying a fine mist. Check for even distribution of spray droplets. To reduce loss of the chemical due to drift of a fine mist, apply at nozzle pressures below 40 psi.

7.3 STANDARD SPRAYABLE FLUID FERTILIZER COMPATIBILITY TEST

Herbicides may not always mix evenly throughout a sprayable fluid fertilizer or the components may separate too quickly to make their combined use of practical value. This may be due to certain characteristics of the different fluid fertilizers. A simple test using small quantities of the components is suggested to provide compatibility potential. The test follows:

A. Materials Required For A Compatibility Test

1. Two one-quart jars with lid or stopper (marked "with" and "with-out').
2. Teaspoons (for a more exacting test, a five to ten milliliter (ml.) pipette or graduated cylinder is desirable).
3. Sprayable fluid fertilizer to be tested.
4. The herbicide chemicals to be mixed.
5. A compatibility agent (the purpose of the adjuvant is to help keep the fertilizer and crop protection chemical in suspension, if this assistance is needed).

B. Procedure

1. Add one pint of the sprayable fluid fertilizer that will be used or other herbicide carrier to each jar marked "with" and "without".

Add One Pint Liquid Fertilizer
To Two Quart Jars.

(insert jar pictures here)

2. To the jar marked "with", add 1/4 teaspoon or 1.2 milliliters of a suitable compatibility agent; shake gently for five to ten seconds to mix. (1/4 Teaspoon in one pint is the equivalent of two pints per 100 gallons of liquid fertilizer.)

To Jar Marked "With"
Add Compatibility Agent
And Shake to Mix

(insert jar pictures here)

3. To each jar add the appropriate amount of herbicide(s). If more than one is used, add them separately with the wettable powders or dry flowables added first, flowables second and liquid last. Shake gently five to ten seconds after each addition.

Add Herbicide(s) To Both Jars
And Shake to Mix.

(insert jar pictures here)

		Amount to Be Added Per Pint of Sprayable Fluid Fertilizer (Assuming Volume is 25 gal/A)
Herbicide	Rate/Acre	Level teaspoons
Wettable Powders or Dry Flowables	1 lb. =	1.5
	2 lb. =	3
	3lb. =	4.5
	4 lb. =	6
	5 lb. =	7.5

Herbicide	Rate/A	Teaspoons	Level Milliliters
Emulsifiable Concentrates or Flowables or Liquids or Solutions	1 pint =	0.5	or 2.4
	1 quart =	1	or 4.7
	2 quarts =	2	or 9.5
	3 quarts =	3	or 14.2
	1 gallon =	4	or 19.0
	5 quarts =	5	or 23.8

This compatibility test is designed for 25 gallons of spray per acre with the maximum labeled rate of herbicide. For changes in spray volume or herbicide rate, make appropriate changes in the ingredients of the test. Regardless of spray volume, the amount of compatibility agent should be equal to two or three pints (two pints = 1/4 Teaspoon or 1.2 milliliters, three pints = 3/8 Teaspoon or 1.8 milliliters per pint of sprayable fluid fertilizer) per 100 gallons of liquid fertilizer.

C. Observations and Decisions

1. If the herbicide(s) and the sprayable fluid fertilizer are compatible.
2. If a compatibility agent is necessary.

Five minutes after the final addition and mixing, observe both jars for the formation of large flakes, sludge, gels or other precipitates. Observe if the herbicide(s) cannot be physically mixed with the liquid fertilizer but remains as small oily particles in the solution.

If incompatibility in any form described above occurs in the jar "with" the compatibility agent added, the liquid fertilizer and the herbicide(s) should not be used together in the same spray tank.

If incompatibility as described above occurs in the jar "without" the adjuvant but not in the jar "with" adjuvant, the use of a compatibility adjuvant is recommended.

Both jars should be allowed to stand and be observed periodically for one-half hour. If the separate layers of liquid fertilizer and additives can be resuspended by shaking, commercial application is possible. An

emulsifiable concentrate normally will go to the top after standing; wettable powders will either settle to the bottom of the tank or jar, or float to the top, depending upon the density of the fertilizers.

If the herbicide(s) is compatible with fluid fertilizer in the foregoing test without having to use a compatibility agent, fluid fertilizer may be used for the premixing. If it is not compatible without the compatibility agent, the herbicide(s) should be premixed with water before adding to the spray tank.

8.0 APPLICATION SYSTEMS

8.1 Ground Broadcast Treatment

Apply this product and the labeled tank mixtures in 10 or more gallons of solution per acre using broad-cast boom equipment. The carrier may be either water or sprayable fluid fertilizer as specified for the crop to be treated in the "DIRECTIONS FOR USE" section of this label. Do not apply during periods of gusty winds, when winds are in excess of 15 mph or when other conditions favoring drift exist.

8.2 Ground Band Treatment

Apply a broadcast equivalent rate and volume per acre. To determine these:

Band width in inches / Row width in inches	X	Broadcast RATE per acre	=	Band RATE per acre

Band width in inches / Row width in inches	X	Broadcast VOLUME per acre	=	Band VOLUME per acre

8.3 Application with Dry Bulk fertilizer

The herbicide-fertilizer impregnation process (In-Plant and On-Board systems) must be completed only by commercial fertilizer or chemical dealerships properly equipped for this procedure. Contact Albaugh, Inc. for additional information regarding recommended equipment and methods for herbicide-fertilizer impregnation applications.

Dry bulk fertilizer may be impregnated with this product or the tank mixtures of this product plus atrazine on corn. This product and these tank mixtures must be applied with 200 to 450 pounds of dry bulk fertilizer per acre and shallowly incorporated within 14 days prior to planting. On medium and fine-textured soils in areas where soil incorporation is not planned, i.e., reduced tillage situations or in some conventional tillage situations, applications can be made up to 30 days before planting to allow moisture to move the herbicide-fertilizer mixture into the soil. On coarse-textured soils, applications can be made up to 14 days prior to planting. The herbicide must be applied as recommended in this label for the crop, weed and soil type treated. Refer to the table for broadcast rate per acre to deter-mine the recommended rate per acre for the herbicide treatment to be applied.

The following table provides a reference to determine the amount of LIQUID herbicide to be mixed per ton of dry bulk fertilizer for a range of herbicide recommendations for fertilizer rates per acre:

RECOMMENDED PINTS LIQUID HERBICIDE/ACRE

Fertilizer Rate (lb/acre)	Acres Covered (per ton)	2.0 (pints of herbicide/ton dry bulk fertilizer)	2.25	2.75
200	10	20	22.5	27.5

250	8	16	18	22
300	6.7	13.4	15	18.4
350	5.7	11.4	12.8	15.7
400	5	10	11.3	13.8
450	4.5	9	10.1	12.4

To determine the amount of herbicide needed for rates not included in the preceding table, use the following formula:

Recommended Herbicide Rate

Pints/Acre X 2000 = Pints of herbicide
Pounds Fertilizer/Acre = per ton of dry bulk fertilizer

With the In-Plant system, mix and blend the dry fertilizer and herbicide mixture in a closed rotary-drum type mixture allowing sufficient time to ensure uniform coverage. Use at least one ton of dry fertilizer per mixing operation. Inject the herbicide into the drum over a minimum of a 2-minute period and allow at least 2 additional minutes mixing time to ensure uniformity. The nozzle used to spray the herbicide treatment must be placed inside the mixer to provide uniform spray coverage of the tumbling fertilizer.

If the dry fertilizer used has inadequate absorptive capacity, use a higher absorptive material such as Agsorb or Micro-Cel E, to provide a free-flowing mixture. Contact Albaugh, Inc. Company for specific guidelines with regard to the sequence of addition for the various components and the amount of drying agent to add to provide a free-flowing mixture.

The following table provides a partial list of dry fertilizers which may be impregnated with this product or tank mixtures of this product with other herbicides:

Fertilizer	ACETACHLOR 7.0 EC	ACETACHLOR 7.0 EC + ATRAZINE
Ammonium sulfate (21-0-0)	Yes	Yes
Ammonium phosphate-sulfate (16-20-0)	Yes	Yes
Diammonium phosphate (18-46-0)	Yes	Yes
Potassium chloride (0-0-60)	Yes	Yes
Potassium sulfate (0-0-52)	Yes	Yes
Single super-phosphate (0-20-0)	Yes	No
Treble super-phosphate (0-46-0)	Yes	No
*Urea (46-0-0)	Yes	Yes

*Some ureas may be phytotoxic when applied on corn. Use only ureas known to be safe to corn.

NOTE: DO NOT impregnate this product or tank mixtures of this product with other herbicides on fertilizers containing ammonium nitrate, potassium nitrate or sodium nitrate.

Spread the herbicide-dry fertilizer mixture uniformly with a properly calibrated applicator: dribble, pneumatic (air flow) or spin. When using spin applicators, fertilizers impregnated with this product or tank mixtures of this product with other herbicides most be spread at half-rate and overlapped 100 percent to obtain full rate and uniform distribution. Non-uniform spreading of the fertilizer-herbicide mixture may result in unsatisfactory weed control or crop injury.

8.3.1 Pneumatic (Compressed Air) Application (ACETACHLOR 7.0 EC herbicide alone)

High humidity, high urea concentrations, low fertilizer use rates, and dusty fertilizer may cause herbicide-fertilizer mixture to build up or plug the distributor head, air tubes, or deflector plates. To minimize buildup, premix ACETACHLOR 7.0 EC herbicide with Exxon Aromatic 200 at a rate of 1 to 4 pints per gallon of ACETACHLOR 7.0 EC herbicide. Aromatic 200 may be used in either fertilizer blender or through direct injection systems. Drying agents should not be used when using Aromatic 200.

NOTES: Mixtures of ACETACHLOR 7.0 EC herbicide and Aromatic 200 must be used on dry fertilizer only. Poor results or crop injury may result if these mixtures are used in water or liquid fertilizer solutions for spraying applications. When impregnating ACETACHLOR 7.0 EC herbicide in a blender before application, a drier mixture can be attained by substituting a drying agent for Aromatic 200. The use of Agsorb or a drying agent of 6/30 particle size are recommended. Drying agents are not recommended for use with On-The-Go impregnation equipment.

9.0 APPLICATION TIMING AND METHODS

9.1 Early Preplant Surface Application

This product and some labeled tank mixtures of this product maybe applied in no-till and other conservation tillage systems before weeds emerge and up to 45 days before planting field corn or silage corn. Split applications can be made 30 to 45 days prior to planting with 60 percent of the recommended broad-cast rate applied initially and the remaining 40 percent applied at planting. Applications made less than 30 days prior to planting can be made either as a split or as a single application. If weeds are present at the time of application, apply this product in tank mixture with an appropriate contact herbicide. Observe directions for use, precautions and restrictions on the label of the contact herbicide. During the planting operation, be careful not to move untreated soil to the surface or move treated soil out of the row, as weed control may be reduced.

9.2 Preemergence Surface Application

This product and all labeled tank mixtures may be applied to the soil surface after planting and prior to either crop or weed emergence. Apply within 5 days of last preplant tillage. If weeds emerge after treatment, or if treatment is applied more than 5 days after last preplant tillage, rotary hoe or shallowly cultivate immediately to improve performance. Precipitation or overhead sprinkler irrigation is required after application to move the herbicide treatment into the weed germination zone. The amount of precipitation or overhead sprinkler irrigation required depends on existing soil mixture, soil type and percent organic matter content, but 1/4 to 3/4 inch is normally adequate. Performance is improved when moisture is received within 7 days after application and prior to weed emergence. High intensity or excessive rainfall or excessive irrigation after application may reduce control.

9.3 Preplant Incorporation Application

This product and many of the labeled tank mixtures may be mixed into the soil using shallow incorporation equipment any time within 14 days prior to planting. Apply the recommended treatment rate to the soil surface as a broadcast application. Either existing soil moisture or subsequent precipitation or irrigation is required to bring incorporated herbicide treatments into contact with germinating weed seedlings. If weeds emerge after treatment, rotary hoe or shallowly cultivate immediately to improve performance.

1-Pass Incorporation: Shallowly incorporate the treatment into the upper 1 to 2 inches of the soil. Equipment should be operated at manufacturer's designed speed for incorporation to ensure adequate mixing and distribution of the herbicide treatment in the soil. Equipment design including any drag attachments must be adequate to avoid soil ridging which may result in streaked or reduced weed control. Soil conditions, including moisture content and crop residue levels, must be suitable to allow thorough and uniform mixing with the equipment used for 1-pass incorporation.

2-Pass Incorporation: When 2-pass incorporation is used, shallowly incorporate the herbicide treatment into the upper 1 to 2 inches of the soil with equipment set to work the soil NO DEEPER THAN 4 INCHES. The second pass must be made at an angle to and no deeper than the first pass to ensure proper distribution of the herbicide treatment in the soil.

9.4 Postemergence Surface Application

This product and certain tank mixtures may be applied postemergence until corn reaches 11 inches in height. Application must be made prior to weed seedling emergence or in a tank mixture that controls emerged weeds. Read and follow all restrictions and directions on tank mix product labels. Refer to the specific treatment intended in the "DIRECTIONS FOR USE" section of the label to determine if postemergence applications to corn are recommended and determine the proper weed and corn growth stage limitations. Precipitation or overhead sprinkler irrigation is required after application to move the herbicide treatment into the weed germination zone to control unemerged weeds. The amount of precipitation or irrigation required depends on existing soil moisture, soil type and percent organic matter content, but 1/4 to 3/4 inch is normally adequate. If weeds emerge after treatment, rotary hoe or shallowly cultivate to improve performance.

DO NOT make postemergence surface applications using sprayable fluid fertilizer as the carrier because severe crop injury may occur.

Cultivation Information—Delay cultivation after application for as long as possible unless weeds or grasses emerge. Shallowly cultivate or rotary hoe immediately if weeds or grasses emerge. If cultivation is necessary because of soil crusting or compaction, set equipment shallow and minimize lateral soil movement to avoid dilution or displacement of the herbicide treatment. If a band application is used and weeds have emerged in the treated band, set cultivator to throw soil into the row covering the band.

10.0 WEEDS CONTROLLED

When applied as directed under conditions described, this product and tank mixtures of this product will control or reduce competition from the weeds listed.

10.1 Annual Grasses

NOTE: C = Control, R = Reduced Competition, X = No Control

	ACETACHLOR 7.0 EC plus				
	ACETACHLOR 7.0 EC	ATRAZINE	BANVEL or CLARITY	PRINCEP	PURSUIT
Barnyardgrass *Echincloa crus-galli*	C	C	C	C	C
Crabgrass *Digitaria ischaemum* *Digitaria sanguinells*	C	C	C	C	C
Crowfootgrass *Dactyloctenium segyptium*	C	C	C	C	C

	ACETACHLOR 7.0 EC plus				
	ACETACHLOR 7.0 EC	ATRAZINE	BANVEL or CLARITY	PRINCEP	PURSUIT
Cupgrass, prairie *Eriochloa contracta*	C	C	C	C	C
Cupgrass, woolly 1 *Eriochola villosa*	C	C	C	C	C
Foxtail: giant, *Setaria faberi*	C	C	C	C	C
Foxtail: green, robust purple, robust white, yellow *Setaria viridis*					
Goosegrass *Eleusine indica*	C	C	C	C	C
Johnsongrass, seedling *Sorghum halepense*	R	R	R	R	C
Millet, foxtail *Setaria italica*	R	R	R	R	R
Millet, proso 2 *Panicum milliceum*	R	R	R	R	R
Oats, wild *Avena fatua*	R	C	R	C	R
Panicum, browntop *Panicum fasciculatum* Panicum, fall *Panicum dichotomiflorum*	C	C	C	C	C
Panicum, Texas *Panicum texanum*	R	R	R	R	R
Rice, red *Oryza sativa*	C	C	x	C	C
Sandbur, Grassbur *Cenchrus incertus*	R	R	x	R	R
Shattercane, wildcane 2 *Sorghum bicolor*	R	R	x	R	R
Signalgrass, broadleaf *Brachieria platyphylla*	C	C	C	C	C
Sprangletop, red *Leptochioa filiformis*	C	C	C	C	C
Wheat, volunteer *Triticum aestivum*	R	C	R	C	R
Witchgrass Panicum capilare	C	C	C	C	C

10.2 Annual Broadleaves

	ACETACHLOR 7.0 EC plus				
	ACETACHLOR 7.0 EC	ATRAZINE	BANVEL or CLARITY	PRINCEP	PURSUIT
Beggarweed, Florida *Desmodium tortuosum*	R	C	x	x	R
Carpetweed *Mollugo verticillata*	C	C	C	C	C
Cocklebur 3 *Xanthium strumarium*	x	C	C	R	R
Galinsoga *Galinsoga spp.*	C	C	C	C	C
Groundcherry, annual *Physalis spp.*	x	C	x	x	x
Groundcherry, cutleaf *Physalis angulata*	R	C	C	C	R
Henbit *Lemium amplexicaula*	C	C	C	C	C
Jimsonweed 8 *Datura stramonium*	R	C	x	R	C
Kochia 4 *Kochia scoparia*	R	C	x	C	C
Lambsquarters 5 *Chenopodium album*	C	C	C	C	C
Morningglory3: Tall *Ipomoea purpurea* Pitted *Ipomoea lacunosa* Ivyleaf *Ipomoea hederacea* Entireleaf *Ipomoea hederacea var. intergriusclua* Smallflower *Jacquemontia temnifolia*	x	C	R	C	R
Mustard *Brassica spp.*	x	C	C	C	C
Nightshade: Black *Solanum nigrum* Hairy *Solanum sarrachoides*	C	C	C	C	C
Pigweed, Carelessweed 5 *Amaranthus spp.*	C	C	C	C	C
Purslane *Portulaca oleracea*	C	C	C	C	C
Pusley, Florida *Richardia scabra*	C	C	C	C	C
Ragweed, common 5 *Ambrosia artemisiifolia*	C	C	C	C	C
Ragweed, giant 3 *Ambrosia trifida*	x	C	C	C	R
Sicklepod *Cassia obtusifolia*	x	C	x	R	x

	ACETACHLOR 7.0 EC plus				
	ACETACHLOR 7.0 EC	ATRAZINE	BANVEL or CLARITY	PRINCEP	PURSUIT
Sida, prickly; Teaweed *Sida spinosa*	R	C	x	C	C
Smartweed *Polygonum pensylvanicum* *Polygonum persicaria*	R	C	C	C	C
Starbur, bristly *Acanthospermum hispidium*	R	C	x	R	x
Sunflower, common 3,8 *Helianthus annuus*	x	C	R	R	C
Velvetleaf, Buttonweed 6,8 *Abutilon theophrasti*	R	C	C	R	C
Waterhemp *Amaranthus tuberculatus*	C	C	C	C	C
SEDGE					
Nutsedge, yellow 7 *Cyperus esculentus*	C	C	x	C	C

1. Use 3 to 3.4 pints per acre of this product applied alone or in tank mix combinations for best results. Control can be erratic especially under dry weather conditions. Control escaped weeds with cultivation or application of an appropriate EPA registered postemergence herbicide. Contact the local ALBAUGH, INC. representative for details regarding a complete woolly cupgrass management program.

2. Use 3 to 3.4 pints per acre of this product to reduce competition from this weed.

3. Use a minimum of 1.5 quarts atrazine 4L per acre in tank mixture combinations to control this weed. Control can be erratic especially under dry weather conditions. Control escaped weeds with cultivation or application of an appropriate EPA-registered postemergence herbicide.

4. If triazine-resistant biotypes are suspected, tank mixtures with triazine herbicides may require a post sequential application of a non-triazine herbicide for control.

5. Use the higher rate in the recommended range for ACETACHLOR 7.0 EC herbicide alone and in tank mixtures with triazine herbicides if triazine resistant biotypes are suspected.

6. Use a minimum of 1.5 quarts atrazine per acre in tank mixture combinations to control this weed. In areas restricted to 1 pound atrazine per acre (1 quart atrazine 4L) or where less atrazine per acre is desired, on medium and fine textured soils, use 2.75 pints of ACETACHLOR 7.0 EC herbicide in a tank mixture with 1 quart atrazine 4L per acre for control of this weed. Control can be erratic especially under dry weather conditions. Control escaped weeds with cultivation or application of an appropriate EPA registered postemergence herbicide.

7. Use 2.5 to 3.4 pints per acre of this product applied alone or in tank mixtures and apply preplant incorporated only for control on medium and fine-textured soils.

8. When using a tank mixture of ACETACHLOR 7.0 EC herbicide plus Pursuit, these weeds are more consistently controlled by preplant incorporated treatments.

11.0 CONSERVATION OR MINIMUM TILLAGE SYSTEMS

NOTE: Each section of this label provides recommended treatment rates for this product and tank mixtures including this product. Applications, which are not consistent with recommendations in this label, may result in

unsatisfactory weed control, injury to crops, persons or animals, or other unintended consequences. Refer to specific product labels for crop rotation restrictions and cautionary statements of all products used in these tank mixtures, including precautions on soil pH sensitive varieties, minimum recropping interval and rotational guidelines.

Use the higher rates in the recommended ranges in areas of heavy weed infestation or where otherwise specified. If emerged weeds exist at planting, the application of a contact herbicide or tillage is recommended when possible to eliminate existing weeds. Do not apply when conditions favor drift.

Detailed information regarding "APPLICATION SYSTEMS" and "APPLICATION TIMINGS AND METHODS" appears in the "GENERAL INFOQMATION" section and should be carefully reviewed in conjunction with the information in this section. If the specific information of this section differs from the "GENERAL INFORMATION", the specific information should control.

The tank mix recommendations in the Conventional Tillage Section of this label may also be followed when using Conservation or Minimum Tillage Systems. Follow all label precautions, directions and restrictions of tank mix partners.

11.1 At-Planting Applications

When applied as directed under the conditions described, these tank mixtures control many emerged annual weeds, suppress many emerged perennial weeds and give preemergent control of many annual grasses and weeds when corn will be planted directly into a cover clop, established sod or in previous crop residues. These tank mixtures will not control regrowth from perennial weeds.

DO NOT APPLY BY AIR.

Refer to specific product labels for crop rotation restrictions and cautionary statements of all products used in these tank mixtures. For mixing instructions, sea the "Mixing and Spraying Instructions" section this label.

11.1.1 Additional Preemergence Control

This product and tank mixtures with atrazine, Princep, Pursuit or atrazine plus Princep can be tank-mixed with Glyphosate agricultural herbicides, Gramoxone Extra and/or 2,4-D.

Apply these tank matures with a Roundup agricultural herbicide or 2.4-D (amine or low volatile ester) in 10 to 20 gallons of water or 10 to 60 gallons of nitrogen solution per acre, or the tank mixtures with Gramoxone Extra in 10 to 20 gallons of water or clear liquid fertilizer per acre immediately before, during or after planting, but BEFORE CROP EMERGENCE. As density of stubble crop residue or weeds increase, spray and rate should be increased within the recommended ranges to ensure complete coverage. In the absence of emerged vegetation delete the Roundup agricultural herbicide, Gramoxone Extra or 2,4-D portion of these tank mixtures.

Approved Application Systems
Ground—Broadcast boom

11.2 Control or Suppression of Emerged Weeds

AVOID DRIFT – EXTREME CARE MUST BE USED WHEN APPLYING THESE TANK MIXTURES TO PREVENT INJURY TO DESIRABLE PLANTS AND CROPS. Do not allow spray mist to drift since even minute quantities of spray can cause severe damage or destruction to nearby crops, plants or other areas on which treatment is not intended. Do not apply when winds are gusty or in excess of 5 miles per hour or when rather conditions, including lesser wind velocities, will allow drift to occur. When spraying, avoid combinations of pressure and nozzle type that will result in fine particles (mist) which are more likely to drift.

11.2.1 Roundup WeatherMAX Herbicide

Annual Weeds

Apply Roundup WeatherMAX herbicide, or other glyphosate agricultural herbicides, in the recommended tank

mixtures at the proper rate for the weed per the label Instructions.

Perennial Weeds

At normal application dates in minimum tillage systems, perennial weeds may not be at the proper stage of growth for control. Use of 1.3 to 2.7 quarts of Roundup WeatherMAX herbicide per acre or equivalent rates of other Glyphosate agricultural herbicides, in the above mixtures under these conditions provides top kill and reduces competition from many emerged perennial grasses and broadleaf weeds.

USE OF THIS MIXTURE FOR BERMUDAGRASS OR JOHNSONGRASS CONTROL IS NOT RECOMMENDED.

NOTE: When using these tank mixtures, do not exceed 2.7 quarts of Roundup WeatherMAX herbicide per acre,

Ammonium Sulfate

The addition of ammonium sulfate in the spray solution may increase the performance of glyphosate agricultural herbicide tank mixture on emerged annual weeds under adverse growing conditions. When using ammonium sulfate, add 2 percent dry ammonium sulfate by weight or 17 pounds per 100 gallons of water. Ammonium sulfate should be added to the water in the spray tank and completely dissolved prior to adding the herbicide or surfactant. Do not mix ammonium sulfate in fluid fertilizer solutions. The equivalent rate of ammonium sulfate in a liquid formulation may also be used.

If Ammonium sulfate is added directly to the spray tank, add slowly with agitation. Adding too quickly may clog outlet lines. Nozzle tip plugging may result from the use of low quality ammonium sulfate. To determine quality, perform a jar test by adding 1/3 cup of ammonium sulfate to 1 gallon of water and agitate for one minute, undissolved sediment is observed, pre-dissolve the ammonium sulfate in water and filter prior to adding the spray tank.

Surfactants

Nonionic surfactants that are labeled for use with herbicides may be used with some glyphosate agricultural herbicides check specific label for restrictions. Do not reduce rates of glyphosate agricultural herbicides when adding surfactant. Use 0.5 percent surfactant concentration (2 quarts per 100 gallons of spray when using surfactants that contain at least 50 percent active ingredient or a 1 percent surfactant concentration (4 quarts per 10 gallons of spray solution) for those surfactants containing less than 50 percent active ingredient. Read and carefully observe surfactant cautionary statements and other information appearing on the surfactant label.

11.2.2 Gramoxone Extra

When used as directed, Gramoxone Extra in a labeled tank mixture controls many emerged annual weeds and suppresses many emerged perennial weeds.

Broadcast Treatment

Apply 1.5 to 3 pints of Gramoxone Extra per acre in the recommended tank mixtures immediately before, during or after planting but BEFORE CROP EMERGENCE. Use 2 to 2.5 pints when weeds are 3 to 6 inches tall. Use 2.5 to 3 pints when weeds are 6 inches tall. This mixture may not control weeds taller than 6 inches. As density of stubble, crop residue or weeds increases, spray gallonage should be increased within the recommended range for complete coverage. Add a nonionic spreader surfactant, (approved for use on crops) containing at least 75 percent surfactant active agent at 8 ounces per 100 gallons of diluted spray. REFER TO THE GRAMOXONE EXTRA LABEL FOR PRECAUTIONARY STATEMENTS.

11.2.3 2,4-D

When used as directed, 2,4-D in labeled tank mixtures controls many emerged annual and perennial broadleaf weeds. For emerged weeds controlled see the WEEDS CONTROLLED section of the label for 2,4-D.

Broadcast Treatment

Apply 1 to 2 pints of 2,4-D (amine or low-volatile ester) in the recommended tank mixtures. Applications should

be made 7 to 14 days before planting or 3 to 5 days after planting but BEFORE CORN EMERGES. As density of stubble, crop residue or weeds increase, spray gallonage should be increased within the recommended range for complete coverage.

DO NOT use 2,4-D on light, sandy sods, or where soil moisture is inadequate for normal weed growth. Observe precautions and limitations on the 2,4-D label booklet.

11.3 Early Preplant Application

If emerged weeds are present at the time of treatment, a glyphosate agricultural herbicide, Gramoxone Extra or 2,4-D should be added to this product according to the directions for use on their respective product labels. If unsatisfactory weed control occurs (due to excessively dry or excessively wet conditions) following the earlier application, a postemergent application of an appropriate labeled grass and/or broadleaf weed herbicide may be used. If a postemergence treatment includes the herbicide used early preplant, do not exceed the labeled rate for corn on a given soil texture. Observe all precautions and limitations on the labels for Acetochlor 7.0 EC, glyphosate agricultural herbicides, Gramoxone Extra, 2,4-D and other postemergent herbicides before use of these products.

- DO NOT apply tank mixtures containing a Roundup agricultural herbicide, Gramoxone Extra or other contact herbicides by air.

11.3.1 ACETOCHLOR 7.0 EC

This product, when applied in a single application or split application will provide preemergence control or reduced competition of the annual grasses and broadleaf weeds listed in the "WEEDS CONTROLLED" section of this label. If weeds are emerged at time of application, apply a labeled contact herbicide with this product. Observe the directions for use, precautions and restrictions on the label of the contact herbicide.

Approved Application Systems

Ground - Broadcast boom
Dry hulk Fertilizer impregnation

Recommended Rate and Timing of Application

- Single application

Application of this product should be made less than 30 days before planting but prior to weed emergence.

NOTE: Application on coarse soils should not be made more than two weeks prior to planting.

Split Application

Apply 60 percent of the recommended rate as a split application prior to weed emergence and no more than 45 days prior to planting and the remaining 40 percent at or immediately following planting but before crop emergence.

See the following table for recommended broadcast rates per am for single and split applications.

	BROADCAST RATE PER ACRE
SOIL TEXTURAL GROUP	Acetochlor 7.0 EC (Pints)
Coarse	1.50 to 2.00
Medium	2.25 to 2.75
Fine	2.75 to 3.00

In order to provide broad-spectrum weed control, both single and spilt applications of this product must be followed with a planned postemergence application of a labeled broadleaf and/or grass herbicide. Observe the

directions for use, precautions and restrictions on the label of the postemergence herbicide before use of these products.

If emerged weeds exist at planting, the application of contact herbicide or tillage is recommended when possible to eliminate existing weeds.

11.3.2 ACETOCHLOR 7.0 EC Plus Atrazine

This tank mixture, when applied in a single application (alone or in a 3-way combination with Princep), split application or as a sequential application to Princep in early preplant programs, will provide preemergence control or reduced competition of annual grasses and broadleaf weeds listed In the "WEEDS CONTROLLED" section of this label.

DO NOT graze treated area or feed treated forage to livestock for 21 days following application of this tank mixture.

The maximum atrazine broadcast application rates for corn:

If no atrazine was applied prior to corn emergence, apply a maximum of 2 pounds active ingredient per acre broadcast. If a postemergence treatment is required following an earlier herbicide application, the total atrazine applied may not exceed 2.5 pounds active ingredient per acre per calendar year.

Apply a maximum of 2.0 pounds active ingredient per acre as a single preemergence application on soils that are not highly erodible or on highly erodible if at leant 30 percent of the soil is covered with plant residues, or

Apply a maximum of 1.6 pounds active ingredient per acre as a single preemergence application on highly erodible soils if <30 percent of the surface is covered with plant residues; or 2.0 pounds active ingredient per acre if only applied postemergence.

CORN, SOYBEANS* OR MILO (SORGHUM) can be planted the year following use of this mixture.

There is a possibility of injury due to carryover of atrazine if soybeans are planted the following year. DO NOT plant soybeans the year following use of this tank mixture or furrow irrigated corn.

Approved Application Systems

Ground -- Broadcast boom
Dry Bulk Fertilizer Impregnation

Recommended Rate and Timing of Application

Single application

Application of this product should be made less than 30 days before planting but prior to weed emergence.

NOTE: Application on course soils should not be made more than two weeks prier to planting.

Split application

Apply 60 percent of the recommended rate as a split application prior to weed emergence and no more than 45 days prior to planting and the remaining 40 percent at or immediately following planting but before crop emergence.

See the following table for recommended broadcast rates, per acre for single and split applications.

	BROADCAST RATE PER ACRE		
SOIL TEXTURAL GROUP	Acetochlor 7.0 EC* (Pints)	+	Atrazine 4L** (quarts)

Coarse	1.75		1.25 to 1.5
Medium	1.75 to 2.25		1.50 to 2.0
Fine	2.00 to 2.50		1.50 to 2.0

* Use the higher rates in the recommended ranges in areas of heavy weed infestation.
** Use rates listed in this label when using atrazine 4L, Use equivalent rates when using atrazine 90 percent dry flowable formulations. One quart of atrazine 4L equals 1.1 pounds of atrazine 90 percent dry flowable.

If emerged weeds exist at planting, the application of contact herbicide or tillage is recommended when possible to eliminate existing weeds.

Sequential Application

Apply 1 to 1.25 quarts per acre of Princep prior to weed emergence and no more than 45 days prior to planting. At or immediately following planting, but before crop emergence, apply the recommended rate of this tank mixture.

NOTE: LAND TREATED WITH PRINCEP SHOULD NOT BE PLANTED TO ANY CROP OTHER THAN CORN FOR ONE YEAR FOLLOWING TREATMENT AS CROP INJURY MAY OCCUR, AFTER HARVEST OF TREATED CROP, PLOW AND THOROUGHLY TILL THE SOIL IN THE FALL OR SPRING TO MINIMIZE POSSIBLE INJURY TO SPRING SEEDED ROTATIONAL CROPS.

Following application of Princep, see the following table for recommended rates.

	BROADCAST RATE PER ACRE		
SOIL TEXTURAL GROUP	Acetochlor 7.0 EC* (Pints)	+	Atrazine 4L** (quarts)
Coarse	1.75		1.25
Medium	1.75 to 2.25		1.50
Fine	2.00 to 2.50		1.50 to 2.0

* Use the higher rates in the recommended ranges in areas of heavy weed infestation.
** Use rates listed in this label when using atrazine 4L. Use equivalent rates when using atrazine 90 percent dry flowable formulations. One quart of atrazine 4L equals 1.1 pounds of atrazine percent dry flowable.

12.0 CONVENTIONAL TILLAGE

NOTE: Each section of this label provides recommended treatment rates for this product and tank mixtures including this product. Applications that are not consistent with recommendations in this label may result in unsatisfactory weed control, injury to crops, persons or animals, or other unintended consequences. Refer to specific product labels for crop rotation restrictions and cautionary statements of all products used in these tank mixtures, including precautions on soil pH sensitive varieties, minimum re-cropping interval and rotational guidelines.

Use the higher rates in the recommended ranges in areas of heavy weed infestation or where other specified. If emerged weeds exist at planting, the application of a contact herbicide or tillage is recommended when possible to eliminate existing weeds. Do not apply when conditions favor drift.

Detailed information regarding "APPLICATION SYSTEMS" and "APPLICATION TIMINGS AND METHODS" appears in the "GENERAL INFORMATION" section and should be carefully reviewed in conjunction with the information in this section. If the specific information in this Section differs from the "GENERAL INFORMATION", the specific information should control.

12.1 ACETOCHLOR 7.0 EC

Apply this product in water or sprayable fluid fertilizer solution.

Approved Application Systems

Ground - Broadcast Boom; banded
Dry Bulk Fertilizer Impregnation

Approved Application Methods

Preplant Incorporated; Preemergence Surface

Postemergence Surface

Apply this product prior to weed emergence and before corn reaches 11 inches in height. Do not exceed 3.4 pints per acre. Weeds emerges at the time of application are not controlled by this product. If weeds are emerged at application, shallowly cultivate or rotary hoe to improve performance. DO NOT make postemergence surface applications using sprayable fluid fertilizer as the carrier because severe crop injury may occur.

RECOMMENDED RATES: Refer to the following tables for the recommended broadcast treatment rates for this product. Applications which are not consistent with recommendations n this label may result in unsatisfactory weed control or crop injury.

Application Rates

	BROADCAST RATE PER ACRE (pints)*	
SOIL TEXTURAL GROUP	Less than 3% organic matter	3% or more organic matter**
Coarse	1.25 to 1.75	1.75
Medium	1.75 to 2.25	1.75 to 2.25
Fine	1.75 to 2.25	2.25 to 2.75

* Use the higher rate in the recommended range in areas of heavy weed infestation.

** On soils with 6 to 10 percent organic matter use 2.5 to 3.4 pints/acre. On soils with more than 10 percent organic matter, use 3.4 pints/acre.

12.2 ACETOCHLOR 7.0 EC Plus Roundup WeatherMAX on Roundup Ready Corn and Roundup Ready Corn 2

This program may be used postemergence to Roundup Ready Corn and Roundup Ready Corn 2 from seedling emergence until the corn reaches 11 inches in height. Refer to the Roundup WeatherMAX other glyphosate agricultural herbicide labels for specific weeds controlled postemergence.

AVOID DRIFT. EXTREME CARE MUST BE USED WHEN APPLYING THIS PRODUCT TO PREVENT INJURY TO DESIRABLE PLANTS AND CROPS WHICH DO NOT CONTAIN THE ROUNDUP READY GENE.

Approved Application Systems
Ground - broadcast boom

Approved Application Methods

Preemergence Surface

Sequential Program

This product may be applied preemergence to Roundup Ready Corn and Roundup Ready Corn 2 at the Roundup Ready Rate of 1.5 pints per acre in a planned preemergence followed by glyphosate agricultural herbicide postemergence sequential program.

Postemergence Surface

This product is applied postemergence to Roundup Ready Corn and Roundup Ready Corn 2 from seedling emergence until the corn is 11 inches in height. The Roundup Ready Rate for this product is 1.5 pints per some. Labeled use rates for this tank mix are defined in the table below. Use the higher rate on larger weeds and where heavy weed infestations exist. This tank mix should be applied when weeds are 2 to 4 inches in height and before the weed height and/or density become competitive with the crop.

For difficult to control weeds such as fall panicum, barnyard grass, crabgrass, shattercane, broadleaf signalgrass and Pennsylvania smartweed use the higher rate of Roundup WeatherMAX or equivalent rates or other glyphosate agricultural herbicides.

ROUNDUP READY RATE – ACETOCHLOR 7.0 EC at 1.5 pints per acre.

Application Rates (Minimum and Maximum range)

	BROADCAST RATE PER ACRE	
SOIL TEXTURAL GROUP	Acetochlor 7.0 EC (Pints)	Roundup WeatherMAX
Coarse	1.0 to 1.75	16 to 22
Medium	1.75 to 2.25	16 to 22
Fine	2.00 to 2.50	16 to 22

12.3 Acetochlor 7.0 EC plus Accent

Apply this tank mixture in water after crop emergence to provide preemergence and postemergence control of certain grass and broadleaf weeds. Refer to the Accent herbicide label for specific weeds controlled postemergence. Applications which are not consistent with recommendations in this label may result in unsatisfactory weed control or crop injury.

Approved Application Systems

Ground - Broadcast boom; banded

Approved Application Methods

Postemergence Surface

Apply this tank mixture after corn emergence up to 11 inches in height and until grasses are 3 inches in height_ Applications made after weeds exceed 3 inches in height may not provide satisfactory control. Always add a nonionic surfactant at 0.25 percent v/v. This tank mixture will not control certain emerged broadleaf weeds. Addition of Dicamba DMA or Permit herbicide will improve performance on broadleaf weeds.

Refer to the Accent herbicide label for specific weeds controlled. Some leaf burn to corn may occur occasionally but subsequent growth or yield should not be affected.

Application Rates

	BROADCAST RATE PER ACRE*					
	Less than 3% organic matter			3% or more organic matter**		
SOIL TEXTURAL GROUP	Acetochlor 7.0 EC	+	Accent*** (ounces)	Acetochlor 7.0 EC	+	Accent (ounces)
Coarse	1.00 to 1.25		½ to 2/3	1.25 to 1.75		½ to 2/3
Medium	1.25 to 2.25		½ to 2/3	1.75 to 2.25		½ to 2/3
Fine	1.75 to 2.25		½ to 2/3	1.75 to 2.75		½ to 2/3

* Use the higher rate in the recommended ranges in areas of heavy weed Infestation.

** On soils with 6 to 10 percent organic matter use 2.5 to 3.4 pints/acre. On soils with more than 10 percent organic matter, use 3.4 pints/acre.

*** The Accent rate may be reduced to 1/3 to 2/3 ounce per acre if grasses are less then 2 inches in height when sprayed.

12.4 Acetochlor 7.0 EC plus Atrazine

Apply this tank mixture in water or sprayable fluid fertilizer.

Approved Application Systems
Ground-Broadcast boom; banded
Dry Bulk Fertilizer Impregnation

Approved Application Methods
Preplant Incorporated; Preemergence Surface

Postemergence Surface
Apply this tank mixture before weeds reach the 2-leaf stage and the corn is no more than 11 inches in height. Applications made beyond the 2-leaf stage may not provide satisfactory weed control. Some leaf burn to corn may occur occasionally but subsequent growth or yield should not be affected. DO NOT make postemergence surface applications using sprayable fluid fertilizer as the carrier because severe crop injury may occur.

The maximum atrazine broadcast application rates for corn:

- If no atrazine was applied prior to corn emergence, apply a maximum of 2 pounds active ingredient per acre broadcast. If a postemergence treatment is required following an earlier herbicide application, the total atrazine applied may not exceed 2.5 pounds active ingredient per acre per calendar year.
- Apply a maximum of 2.0 pounds active ingredient per acre as a single preemergence application on soils that are not highly erodible or on highly erodible if at least 30 percent of the soil is covered with plant residues, or
- Apply a maximum of 1.6 pounds active ingredient per acre as a single preemergence application on highly erodible soils if <30 percent of the surface is covered with plant residues; or 2.0 pounds active ingredient per acre if only applied post emergence.

CORN, SOYBEANS* CR MILO (SORGHUM) can be planted the year following use of this mixture.

- There is a possibility of injury due to carryover of atrazine if soybeans are planted the following year. DO NOT plant soybeans the year following use of this tank mixture on furrow irrigated corn.

DO NOT graze treated area or feed treated forage to livestock for 21 days following application of this tank mixture.

Application Rates

BROADCAST RATE PER ACRE*

	LESS THAN 3% ORGANIC MATTER			3% OR MORE ORGANIC MATTER		
SOIL TEXTURAL GROUP	Acetochlor 7.0 EC (pints)	+	ATRAZINE 4L** (quarts)	Acetochlor 7.0 EC (pints)	+	ATRAZINE 4L** (quarts)
Coarse	1.00 to 1.25		1.25 to 2.00	1.25 to 1.75		1.25 to 2.0
Medium	1.25 to 1.75		1.25 to 2.0	1.75 to 2.25		1.50 to 2.0
Fine	1.75 to 2.25		1.50 to 2.0	1.75 to 2.25		1.50 to 2.0

*Use the higher rate in the recommended ranges in areas of heavy weed infestation. In areas restricted to 1 pound atrazine per acre (1 quart atrazine 4L) or where less atrazine per acre is desired, on medium- and fine-textured soils use 2.75 pints of Acetochlor 7.0 EC herbicide in a tank mixture with 1 quart atrazine 4L per acre for control of grass and broadleaf weeds listed except cocklebur.

**Use rates listed in this label when using Atrazine 4L. Use equivalent rates when using atrazine 90 percent dry flowable formulations. One quart of atrazine 4L equals 1.1 pounds of atrazine 90 percent dry flowable.

12.5 Acetochlor 7.0 EC Plus Balance Pro

For Use in Field Corn and Silage Corn

Approved Application Systems
Ground – Broadcast boom; banded.

Approved Application Method

Preemergence Surface

Balance PRO is not registered in all states. Follow all Restrictions and Precautions on the Balance PRO label including planting depth, environmental precautions, and soil type restrictions.

Follow the Balance PRO Technical Bulletins, 24(c) labels and 2(ee) recommendations for additional use rate restrictions based on soil textures and depth to groundwater in various states.

Application Rates:

BROADCAST RATE PER ACRE

	LESS THAN 3% ORGANIC MATTER			3% OR MORE ORGANIC MATTER		
SOIL TEXTURAL GROUP	Acetochlor 7.0 EC (pints)	+	BALANCE PRO (ounces)	Acetochlor 7.0 EC (pints)	+	BALANCE PRO (ounces)
Coarse*	1.00 to 1.75		1.0 to 1.88	1.25 to 1.75		1.0 to 1.88
Medium	1.25 to 2.25		1.0 to 2.50	1.25 to 2.25		1.50 to 3.0
Fine	1.25 to 2.25		1.50 to 2.75	1.75 to 2.75		2.0 to 3.50

*It is not recommended to use Balance PRO on coarse soils with less than 1.5% organic matter.

12.5 Acetochlor 7.0 EC plus Dicamba DMA Or Clarity

For use on level or flat-planted field corn on soils with more than 2 percent organic matter.

Apply in water or sprayable fluid fertilizer solutions for control of the annual grasses and broadleaf weeds listed in the 'WEEDS CONTROLLED' section of this label.

Approved Application Systems
Ground—Broadcast boom; banded

Approved Application Methods

Preemergence Surface
Apply this tank mixture after planting, before crop and weeds emerge and within 5 days of last preplant tillage operation. Corn seeds must be planted 1-1/2 inches or deeper beneath the soil surface. Direct chemical contract with corn seed must be avoided since crop injury may result. Apply far enough behind planter equipment to avoid any incorporation by the planter wheel or other covering device. Do not apply if corn seeds are planted less than 1-1/2 inches beneath the soil surface.

For Use on Kochia – Preemergence Surface only – Dicamba DMA and Clarity tank mix rates may be reduced to 0.25 to 0.5 pint per acre in soils less than 3% organic matter, or 0.5 pint per acre in soils equal to or greater than 3% organic matter. Follow all label restrictions.

Postemergence Surface
Apply this tank mixture prior to emergence of grasses and before corn exceeds 8 inches in height. This tank mixture does not control emerged grasses. Addition of Accent to this tank mixture will improve control of emerged grasses. Some leaf burn to corn may occur occasionally but subsequent growth or yield should not be affected. DO NOT make postemergence surface applications using sprayable fluid fertilizer as the carrier because severe crop injury may occur.

NOTE: PREVENT DRIFT TO SOYBEANS OR OTHER DESIRABLE PLANTS. Do not use on furrow-irrigated corn, or when corn is planted at the bottom of a furrow, utilizing lister, till or other similar planting methods. DO NOT incorporate after planting or corn emergence. If it is necessary to drag for leveling or rotary hoe to break soil crust. DO NOT disturb the soil more than ½ inch deep.

Application Rates

BROADCAST RATE PER ACRE*

	LESS THAN 3% ORGANIC MATTER			3% OR MORE ORGANIC MATTER		
SOIL TEXTURAL GROUP	Acetochlor 7.0 EC (pints)	+	BANVEL or CLARITY (pints)	Acetochlor 7.0 EC (pints)	+	BANVEL or CLARITY (pints)
Coarse**	1.00 to 1.75		1	1.75		1
Medium	1.75 to 2.25		1	1.75 to 2.25		1
Fine	1.75 to 2.25		1	2.25 to 2.75		1

*Use the higher rate in the recommended ranges in areas of heavy weed infestation.
**On coarse-textured soils containing 2 percent or more organic matter, use Acetochlor 7.0 EC herbicide plus Dicamba DMA or Clarity only on sandy loam. Do not use on sand and loamy sand with less than 2 percent organic matter.

12.7 Acetochlor 7.0 EC Plus Callisto™

For Postemergence surface applications for field corn, production seed corn and silage corn

Approved Application Systems
Ground-Broadcast boom; banded

Approved Application Methods

Postemergence Surface

Callisto is not registered in all states. Follow all Restrictions and Precautions on the Callisto label including planting depth, environmental precautions, and soil type restrictions.

Do not apply to the following soils if ground water depth is 30 feet or less: sands with less than 3% organic matter: loamy sands with less than 2% organic matter or sandy loams with less then 1% organic matter,

RECOMMENDATION

Acetochlor 7.0 EC may be tank-mixed with 3 ounces of Callisto for postemergence applications:

- Use the labeled rates of Acetochlor 7.0 EC that correspond to the soil texture and organic matter.
- Broadleaf weeds should not exceed 5 inches for Callisto applications.
- Accent herbicide may be added for postemergence grass control. Follow the label for Accent rates and maximum grass sizes.
- Corn must be sprayed before it exceeds 11 inches in height.
- Add 2.5% (v/v) spray grade UAN (28%N) or AMS (8.5 lbs/100 gallons spray solution)
- The addition of 0.25% (v/v) NIS to Acetochlor 7.0 EC will aid in emerged weed control.
- DO NOT use Methylated Soybean Oil (MSO).
- DO NOT make post applications using sprayable fluid fertilizer as the carrier because severe crop injury may occur.

12.8 Acetochlor 7.0 EC plus Hornet WDG

Only Apply This Tank Mixture to Field Corn

Apply in water or sprayable fluid fertilizer solutions for control of the annual grasses and broadleaf weeds listed in the "WEEDS CONTROLLED" section of this label.

Approved Application Systems
Ground-Broadcast boom; banded

Approved Application Methods

Preplant Surface, Preplant Incorporated Applied
For minimum-tillage or no tillage systems this tank mix may be applied up to 30 days before planting. If weeds are present at the time of treatment, apply in a tank mixture combination with an appropriate contact herbicide. Observe all directions for use, precautions and restrictions on the label of the contact herbicide. During the planting operation, be careful not to move untreated soil to the surface or move treated soil out of the row, as weed control may be reduced.

Preemergence Surface
Apply this tank mixture after planting, before crop and weeds emerge and within 5 days of last preplant tillage operation. Adequate soil moisture is required for optimum herbicidal activity. Precipitation or overhead sprinkler irrigation is required after application to move the herbicide treatment into the weed germination zone.

NOTE: For all soil applications of this tank mixture, corn seeds must be planted 1-1/2 inches or deeper beneath the soil surface.

DO NOT use this tank mixture when Counter™ (terbufos) or Thimet™ (phorate) insecticides are to be applied due to the risk of severe crop injury.

Postemergence Surface
Apply this tank mixture before grasses have reached the 2-leaf stage and the corn is less than 11 inches in height. Applications made to grasses beyond the 2-leaf stage may not provide satisfactory control. Some leaf burn to corn may occur occasionally but subsequent growth or yield should not be affected. Include a non-ionic surfactant at 0.25 percent v/v (1 qt/100 gal) or crop oil concentrate at 1 percent v/v for all postemergence applications. DO NOT make postemergence surface tank mixture applications using sprayable fluid fertilizer as the total carrier because severe crop injury may occur.

This tank mixture may be combined with Accent herbicide at 1/3 or 2/3 ounces per acre to increase control of emerged grasses. Follow all label restrictions and directions.

NOTE: Avoid all direct or indirect contact with nontarget plants. Spray drift of this tank mixture to emerged soybeans or soil to which soybeans will be planted during the same growing season may cause soybean injury.

NOTE: OBSERVE ALL PRECAUTIONS AND LIMITATIONS OF THE Acetochlor 7.0 EC AND HORNET WDG LABELS BEFORE USE OF THIS TANK MIXTURE, INCLUDING PRECAUTIONS ON SOIL RESTRICTIONS, SOIL INSECTICIDES, ROTATIONAL RESTRICTIONS, AND SPRAYER CLEANUP.

Application Rates

BROADCAST RATE PER ACRE*

	LESS THAN 3% ORGANIC MATTER			3% OR MORE ORGANIC MATTER		
SOIL TEXTURAL GROUP	Acetochlor 7.0 EC (pints)	+	HORNET WDG (ounces)	Acetochlor 7.0 EC (pints)	+	HORNET WDG (ounces)
Coarse**	1.25 to 1.75		3.0	1.75		3.0
Medium	1.75 to 2.25		3.0 to 4.0	1.75 to 2.25		3.0 to 4.0
Fine	1.75 to 2.25		3.0 to 4.0	2.25 to 2.75		3.0 to 4.0

*In areas of heavy weed infestation use the higher rates.
**Hornet may be substituted for Hornet WDG at 80% of the rates above.

12.9 Acetochlor 7.0 EC plus Marksman (or generic equivalent such as Range Star)

For use on level or flat-planted field corn on soils with more than 2 percent organic matter.

Apply in water or sprayable fluid fertilizer solutions for control of the annual grasses and broadleaf weeds listed for Acetochlor 7.0 EC plus atrazine in the "WEEDS CONTROLLED" section of this label.

Approved Application Systems
Ground —Broadcast boom; banded

Approved Application Methods

Preemergence Surface
Apply this tank mixture after planting, before crop and weeds emerge and within 5 days of last preplant tillage operation. Corn seeds must be planted 1-1/2 inches or deeper beneath the soil surface. Direct chemical contact with corn seed must be avoided since crop injury may result. Apply far enough behind planter equipment to avoid any incorporation by the planter wheel or other covering device. Do not apply if corn seeds are planted less than 1-1/2 inches beneath the soil surface.

Far Kochia preemergence use only — Marksman may be reduced to 1.0 to 2.0 pints per acre in soils less than 3% organic matter, or 2.0 pints per acre in soils equal to or greater than 3% organic matter. Follow all label restrictions.

Postemergence Surface
Apply this tank mixture before grasses reach the 2-leaf stage and the corn reaches 6 inches in height. Applications made beyond the 2-leaf stage will not provide satisfactory grass control. Some leaf burn to corn may occur occasionally but subsequent growth or yield should not be affected. DO NOT make postemergence surface applications using sprayable fluid fertilizer as the carrier because severe crop injury may occur.

NOTE: PREVENT DRIFT TO SOYBEANS OR OTHER DESIRABLE PLANTS. Do not use on furrow-irrigated corn, or when corn is planted at the bottom of a furrow, utilizing lister, till or other similar planting methods. DO NOT incorporate after planting or corn emergence. If it is necessary to drag for leveling or rotary hoe to break soil crust. DO NOT disturb the soil more than ½ inch deep.

Application Rates

BROADCAST RATE PER ACRE*

	LESS THAN 3% ORGANIC MATTER			3% OR MORE ORGANIC MATTER		
SOIL TEXTURAL GROUP	Acetochlor 7.0 EC (pints)	+	MARKSMAN (pints)	Acetochlor 7.0 EC (pints)	+	MARKSMAN (pints)
Coarse**	1.25 to 1.75		3.5	1.75		3.5
Medium	1.75 to 2.25		3.5	1.75 to 2.25		3.5
Fine	1.75 to 2.25		3.5	2.25 to 2.75		3.5

*Use the higher rate in the recommended ranges in areas of heavy weed infestation.
**On soils with 6 to 10 percent organic matter use 2.5 to 3.4 pints/acre. On soils with more than 10 percent organic matter use 3.4 pints/acre.

12.10 Acetochlor 7.0 EC plus Permit

Apply this tank mixture in water after crop emergence to provide preemergence control of certain grass and broadleaf weeds and postemergence control of broadleaf weeds listed on the Permit herbicide label.

Approved Application Systems
Ground-Broadcast boom, banded

Approved Application Methods

Postemergence Surface
Apply this tank mixture after corn emergence up to 11 inches in height and until weeds reach 3 inches in height. This tank mixture will not provide control of emerged grasses. Addition of Accent to this tank mixture will control of emerged grasses. Some leaf burn to corn may occur occasionally but subsequent growth or yield should not be affected.

Application Rates

BROADCAST RATE PER ACRE

	LESS THAN 3% ORGANIC MATTER			3% OR MORE ORGANIC MATTER		
SOIL TEXTURAL GROUP	Acetochlor 7.0 EC* (pints)	+	PERMIT (ounces)	Acetochlor 7.0 EC* (pints)	+	PERMIT (ounces)
Coarse	1.25 to 1.75		2/3	1.75		2/3
Medium	1.75 to 2.25		2/3	1.75 to 2.25		2/3
Fine	1.75 to 2.25		2/3	2.25 to 2.75		2/3

*Use this higher rate is the recommended ranges in areas of heavy weed infestation.

12.11 Acetochlor 7.0 EC Plus Princep

Apply this tank mixture in water or sprayable fluid fertilizer.

Approved Application Systems
Ground-Broadcast boom; banded
Dry Bulk Fertilizer impregnation

Approved Application Methods

Preplant Incorporated
Apply this tank mixture within 14 days prior to planting and shallowly incorporate or Surface Blend into the upper 1 to 2 inches of soil.

Preemergence Surface
Apply this tank mixture after planting, before crop and weed emergence and within 5 days after last preplant tillage operation.

NOTE: LAND TREATED WITH PRINCEP SHOULD NOT BE PLANTED TO ANY CROP OTHER THAN CORN FOR ONE YEAR FOLLOWING TREATMENT AS CROP INJURY MAY OCCUR. AFTER HARVEST OF TREATED CROP, PLOW AND THOROUGHLY TILL THE SOIL IN THE FALL OR SPRING TO MINIMIZE POSSIBLE INJURY TO SPRING SEEDED ROTATIONAL CROPS.

Application Rates

BROADCAST RATE PER ACRE*

	LESS THAN 3% ORGANIC MATTER			3% OR MORE ORGANIC MATTER		
SOIL TEXTURAL GROUP	Acetochlor 7.0 EC (pints)	+	PRINCEP 4L** (quarts)	Acetochlor 7.0 EC (pints)	+	PRINCEP 4L** (quarts)
Coarse	1.00 to 1.25		1.25 to 2.0	1.25 to 1.75		1.25 to 2.0
Medium	1.25 to 2.25		1.5 to 2.0	1.75 to 2.25		1.5 to 2.0
Fine	1.75 to 2.25		1.5 to 2.0	1.75 to 2.25		1.5 to 2.0

*Use the higher rate in the recommended ranges in areas of heavy weed infestation.
**Use rates listed on this label when using Princep 4L. Use equivalent rates when using Princep 90 percent dry flowable formulations. One quart of Princep 4L equals 1.1 pounds of Princep 90 percent dry flowable.

12.12 Acetochlor 7.0 EC plus Prowl

Apply this tank mixture in water or sprayable fluid fertilizer.

Approved Application Systems
Ground-Broadcast boom, banded
Dry Bulk Fertilizer Impregnation

Approved Application Methods

Preemergence Surface
Apply this tank mixture after planting, before crop and weed emergence and within 5 days after last preplant tillage operation.

DO NOT preplant incorporate this tank mixture as serious crop injury can result.

Application Rates

BROADCAST RATE PER ACRE*

	LESS THAN 3% ORGANIC MATTER			3% OR MORE ORGANIC MATTER		
SOIL TEXTURAL GROUP	Acetochlor 7.0 EC (pints)	+	PROWL** (pints)	Acetochlor 7.0 EC (pints)	+	PROWL** (pints)
Coarse	1.25 to 1.75		1.0	1.50 to 1.75		1.0
Medium	1.50 to 2.25		1.0 to 2.0	1.75 to 2.25		1.0 to 2.0
Fine	1.75 to 2.25		1.0 to 2.0	2.00 to 2.75		1.0 to 2.0

*Use the higher rate in the recommended ranges in areas of heavy weed infestation.
**Use rates listed in this label when using Prowl. Use equivalent rates when using Prowl 3.3 EC. One quart of Prowl equals 1.2 quarts of Prowl 3.3 EC.

12.13 Acetochlor 7.0 EC Plus Pursuit

Apply this tank mixture in water or sprayable fluid fertilizer.

Approved Application Systems
Ground-Broadcast boom; banded

Approved Application Methods

Preplant Incorporated; Preemergence Surface

Postemergence Surface
Apply this tank mixture before weeds reach 3 inches in height and the corn is no more than 11 inches in height. Applications made after weeds are beyond 3 inches in height may not provide satisfactory control. Some leaf burn to corn may occur occasionally but subsequent growth or yield should not be affected. DO NOT make postemergence surface applications using sprayable fluid fertilizer as the carrier because severe crop injury may occur.

NOTE: THIS TANK MIXTURE IS FOR USE ONLY ON SELECTED FIELD CORN HYBRIDS (IMI CORN) WARRANTED BY THE SEED COMPANY TO POSSESS RESISTANCE/TOLERANCE TO DIRECT APPLICATION OF PURSUIT (FOR EXAMPLE: PIONEER IR HYBRIDS), DO NOT APPLY PURSUIT TO CORN HYBRIDS WHICH LACK GENETIC RESISTANCE/TOLERANCE TO PURSUIT HERBICIDE. OBSERVE ALL PRECAUTIONS AND LIMITATIONS ON THE Acetochlor 7.0 EC HERBICIDE AND PURSUIT LABELS BEFORE USE OF THIS TANK MIXTURE INCLUDING PRECAUTIONS ON MINIMUM RECROPPING INTERVAL AND ROTATIONAL GUIDELINES.

Application Rates

BROADCAST RATE PER ACRE*

	LESS THAN 3% ORGANIC MATTER			3% OR MORE ORGANIC MATTER		
SOIL TEXTURAL GROUP	Acetochlor 7.0 EC (pints)	+	PURSUIT (ounces)	Acetochlor 7.0 EC (pints)	+	PURSUIT (ounces)
Coarse	1.00 to 1.25		4	1.25 to 1.75		4
Medium	1.25 to 1.75		4	1.75 to 2.25		4
Fine	1.75 to 2.25		4	1.75 to 2.25		4

*Use the higher rate in the recommended ranges in areas of heavy weed infestation.

12.14 Acetochlor 7.0 EC plus Atrazine plus Prowl

Apply this tank mixture in water or sprayable fluid fertilizer solutions for additional control of triazine-resistant lambsquarters and pigweed in addition to yellow nutsedge and the annual grasses and broadleaf weeds.

Approved Application Systems
Ground-Broadcast boom; banded
Dry Sulk Fertilizer Impregnation

Approved Application Methods

Preemergence Surface
DO NOT preplant incorporate this tank mixture as serious crop injury can result.

The maximum atrazine broadcast application rates for corn:

- If no atrazine was applied prior to corn emergence, apply a maximum of 2 pounds active ingredient per acre broadcast. If a postemergence treatment is required following an earlier herbicide application, the total atrazine applied may not exceed 2.5 pounds active ingredient per acre per calendar year.
- Apply a maximum of 2.0 pounds active ingredient per acre as a single preemergence application on

soils that are not highly erodible or on highly erodible if at least 30 percent of the soil is covered with plant residues, or

- Apply a maximum of 1.6 pounds active ingredient per acre as a single preemergence application on highly erodible soils if <30 percent of the surface is covered with plant residues; or 2.0 pounds active ingredient per acre if only applied postemergence.

CORN, SOYBEANS* OR MILO (SORGHUM) can be planted the year following use of this mixture.

- There is a possibility of injury due to carryover of atrazine if soybeans are planted the following year. DO NOT plant soybeans the year following use of this tank mixture on furrow irrigated corn.

Application Rates

BROADCAST RATE PER ACRE*

	LESS THAN 3% ORGANIC MATTER				
SOIL TEXTURAL GROUP	Acetochlor 7.0 EC (pints)	+	ATRAZINE 4L** (quarts)	+	PROWL** (quarts)
Coarse	1.00 to 1.25		0.75 to 2.0		0.75
Medium	1.25 to 1.75		1.00 to 2.0		0.75 to 1.0
Fine	1.25 to 1.75		1.25 to 2.0		1.00

BROADCAST RATE PER ACRE*

	MORE THAN 3% ORGANIC MATTER				
SOIL TEXTURAL GROUP	Acetochlor 7.0 EC (pints)	+	ATRAZINE 4L** (quarts)	+	PROWL** (quarts)
Coarse	1.25 to 1.75		1.00 to 2.0		0.75 to 1.0
Medium	1.50 to 2.0		1.25 to 2.0		1.0
Fine	1.75 to 2.25		1.25 to 2.0		1.0

*Use the higher rates in the recommended ranges in areas of heavy weed infestation.
**Use rates listed in this label using atrazine 4L and Prowl. Use equivalent rates when using atrazine 90 percent dry flowable and Prowl 3.3 EC formulations. One quart of atrazine 4L equals 1.1 pounds of atrazine 90 percent dry flowable. One quart of Prowl equals 1.2 quarts of Prowl 3.3 EC.

12.15 Acetochlor 7.0 EC Plus Python™ WDG

Only Apply This Tank Mixture To Field Corn.

Apply in water or sprayable fluid fertilizer solutions for control of the annual grasses and broadleaf weeds listed in the "WEEDS CONTROLLED" section of this label.

Approved Application Systems
Ground-Broadcast boom; banded

Approved Application Methods

Preplant Surface Applied
For minimum—tillage or no tillage systems this tank mix may be applied up to 30 days before planting. If weeds are present at me time of treatment, apply in a tank mixture combination with an appropriate contact herbicide. Observe directions for use, precautions and restrictions on the label of the contact herbicide. During the planting operation, be careful not to move untreated soil to the surface or move treated soil out of the row, as weed control may be reduced.

Preemergence Surface

NOTE: For all soil applications of this tank mixture, corn seeds must be planted 1-1/2 inches or deeper beneath

the soil surface.

DO NOT use this tank mixture when Counter (terbufos) or Thimet (phorate) Insecticides are to be applied due to the risk of severe crop injury.

NOTE: Avoid all direct or indirect contact with nontarget plants. Spray drift of this tank mixture to emerged soybeans or soil to which soybeans will be planted during the same growing season may cause soybean injury.

NOTE: OBSERVE ALL PRECAUTIONS AND LIMITATIONS OF Acetochlor 7.0 EC AND PYTHON LABELS BEFORE USE OF THIS TANK MIXTURE, INCLUDING PRECAUTIONS ON SOIL RESTRICTIONS, SOIL INSECTICIDES, ROTATIONAL RESTRICTIONS, AND SPRAYER CLEANUP.

Application Rates

BROADCAST RATE PER ACRE*

	LESS THAN 3% ORGANIC MATTER			3% OR MORE ORGANIC MATTER		
SOIL TEXTURAL GROUP	Acetochlor 7.0 EC (pints)	+	PYTHON WDG (ounces)	Acetochlor 7.0 EC (pints)	+	PYTHON WDG (ounces)
Coarse**	1.25 to 1.75		0.80	1.75		0.89
Medium	1.75 to 2.25		0.89	1.75 to 2.25		1.0
Fine	1.75 to 2.25		0.89	2.25 to 2.75		1.0

*In areas of heavy weed infestation use the higher rates.
**Refer to the "USE RESTRICTIONS" and "GENERAL INFORMATION" sections of this label land PYTHON WDG for restrictions.

13.0 LIMIT OF WARRANTY AND LIABILITY

This Company warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes set forth in the Complete Directions for Use label booklet ("Directions') when used in accordance with those Directions under the conditions described therein. NO OTHER EXPRESS WARRANTY OR IMPLIED WARRANTY OF FITNESS FOR PARTICULAR PURPOSE OR MERCHANTABILITY IS MADE. This warranty is also subject to the conditions and limitations stated herein.

Buyer and all users shall promptly notify this Company of any claims whether based in contract, negligence, strict liability, other tort or otherwise.

Buyer and all users are responsible for all loss or damage from use or handling which results from conditions beyond the control of this Company, including, but not limited to, incompatibility with products other than those set forth in the Directions, unusual weather, weather conditions which are outside the range considered normal at the application site and for the time period when the product is applied, as well as weather conditions which are outside the application ranges set forth in the Directions, application in any manner not explicitly set forth in the Directions, moisture conditions outside the moisture range specified in the Directions, or the presence of products other than those set forth in the Directions in or on the soil, crop or treated vegetation.

This company does not warrant any product reformulated or repack-aged from this product except in accordance with this Company's stewardship requirements and with express written permission from this Company.

THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE LIMIT OF THE LIABILITY OF THIS COMPANY OR ANY OTHER SELLER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT (INCLUDING CLAIMS BASED IN CONTRACT, NEGLIGENCE, STRICT LIABILITY OTHER TORT OR OTHERWISE) SHALL BE THE PURCHASE PRICE PAID BY THE USER OR BUYER FOR THE QUANTITY OF THIS PRODUCT INVOLVED, OR, AT THE ELECTION OF THIS COMPANY OR ANY OTHER SELLER, THE REPLACEMENT OF SUCH QUANTITY, OR, IF NOT ACQUIRED BY PURCHASE, REPLACEMENT OF SUCH QUANTITY IN NO EVENT SHALL THIS COMPANY OR ANY OTHER SELLER BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES.

Buyer and all users are deemed to have accepted the terms of this LIMIT OF WARRANTY AND LIABILITY which may not be varied by any verbal or written agreement.

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Accent is a trademark of E.I. duPont de Nemours and Company.
Agsorb is a trademark of Oil Dri Corporation of America, Agricultural Group.
Banvel, Clarity, Contour, Marksman, Prowl, and Resolve are trademarks of BASF, Corporation.
Princep is a trademark of Novartis Finance Corporation.
Pursuit is a trademark of BASF Agrochemical Products B.V.
Gramoxone is a trademark of Zeneca Limited.
Micro-Cel is a trademark of Celite Corporation, c/o World Minerals, Inc.
Permit is a registered trademark of, and used under license from, Nissan Chemical Industries. Ltd.

Reviewed label

RESTRICTED USE PESTICIDE

Due to oncogenicity. For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.

ACETOCHLOR 7.0 EC

An emulsifiable herbicide for weed control in Field Corn, Production Seed Corn, Silage Corn and Popcorn.

1.0 ACTIVE INGREDIENT:

*Acetochlor	74.8%
OTHER INGREDIENTS:	25.2%
TOTAL:	100.0%

*Contains 839 grams/litre or 7.0 pounds/gallon of 2-chloro-N-ethoxymethyl-N-(2-ethyl-6-methyl phenyl) acetamide.

Contains petroleum distillate

KEEP OUT OF REACH OF CHILDREN.

WARNING! AVISO!

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

FIRST AID	
IF IN EYES	• Hold eye open and rinse slowly ant gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
IF ON SKIN OR CLOTHING	• Take off contaminated clothing • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a Poison Control center or doctor for treatment advice. • Sensitized persons should avoid further contact and reuse of contaminated clothing.
IF SWALLOWED	• Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
IF INHALED	• Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice
Have the product container label with you when calling the a poison control center or doctor, or going for treatment.	

Note to physician: May pose aspiration pneumonia hazard.

Read the entire label before using this product. Use only according to label instructions. Read "LIMIT OF WARRANTY AND LIABILITY" before buying or using. If terms are not acceptable, return at once unopened.

Contains Petroleum distillate

THIS IS AN END-USE PRODUCT. ALBAUGH, INC. DOES NOT INTEND AND HAS NOT REGISTERED IT FOR REFORMULATION. IT IS INTENDED THAT REPACKAGING BE ONLY IN ACCORDANCE WITH A ALBAUGH REPACKAGING OR TOLL REPACKAGING AGREEMENT

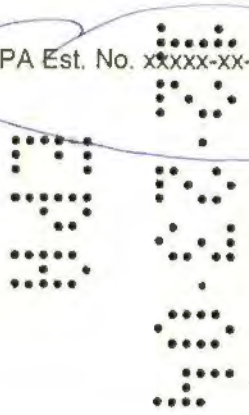
EPA Reg. No. 42750-xx

NET CONTENTS:

101

Manufactured For:
ALBAUGH, INC.
ANKENY, IA 50021

EPA Est. No. xxxxx-xx-xxx



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2.0 In case of an emergency involving this product, or for user safety information on this product, Call CHEMTREC toll free at 1-800-424-9300.

3.0 PRECAUTIONARY STATEMENTS

3.1 Hazards to Humans and Domestic Animals

change to other statement

WARNING. Causes substantial but temporary eye and skin irritation. Harmful if swallowed or inhaled. ~~May cause allergic skin reaction~~. Avoid contact with skin, eyes, or clothing. Avoid breathing vapor or spray mist. Wash thoroughly with soap and water after handling.

Wear protective eyewear (goggles, face shield, or safety glasses)

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some of the materials that are chemical-resistant to this product are listed below. If you want more options, *follow the instructions for category A on an EPA chemical-resistance category selections chart.*

Applicators and other handlers must wear:

1. Coveralls over short-sleeved shirt and short pants
2. Chemical-resistant gloves made of any waterproof material such as polyethylene or polyvinyl chloride.
3. Chemical-resistant footwear plus socks
4. Protective eyewear
5. Chemical-resistant head-gear for overhead exposure and
6. Chemical-resistant apron when cleaning equipment, mixing, or loading.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard MPS) for agricultural pesticides [40 CFR 170.240(4)(4-6)), the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

User should:

1. Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
2. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
3. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

3.2 ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

This chemical demonstrates the properties and characteristics associated with chemicals detected in ground water. The use of this chemical in areas where soils are permeable, particularly where the ground water is shallow, may result in ground water contamination.

Acetochlor has properties that may result in surface water contamination via dissolved runoff and runoff erosion. Practices should be followed to minimize the potential for dissolved runoff and/or runoff erosion.

4.0 DIRECTIONS FOR USE

It is a violation of Federal law to use this product in any manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulations.

Read each of these sections of this label for essential product performance information.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

Exception: if the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, are:

1. Coveralls over short-sleeved shirt and short pants
2. Chemical-resistant gloves made of any waterproof material such as polyethylene or polyvinyl chloride.
3. Chemical-resistant footwear plus socks
4. Protective eyewear
5. Chemical-resistant headgear for overhead exposure.

4.1 STORAGE AND DISPOSAL

Do not contaminate water, foodstuffs, feed or seed by storage or disposal.

PESTICIDE STORAGE: Keep container closed to prevent spills or contamination.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticide disposal or in accordance with applicable Federal, state or local procedures.

CONTAINER DISPOSAL: Emptied container retains vapor and product residue. Observe all labeled safeguards until container is cleaned, reconditioned, or destroyed.

[Container label option for Bulk and Minibulk]

Instructions for Users: When the container is empty, replace the cap and seal all openings that have been made during usage, and return the container to the point of purchase, or to an alternate location designated by the registrant at the time of purchase of this product. If not returned to the point of purchase or a designated location, triple rinse or pressure rinse the empty container and offer it for recycling if available. If not refilled or recycled, then puncture and dispose of in a sanitary landfill, or by incineration or, if allowed by state and local authorities by burning. If burned, stay out of smoke,

Instructions for Users and Refillers: This container meet only be refilled with this pesticide product. Do not reuse this container for any other purpose. Do not transport if this container is damaged or leaking. If the container is damaged or leaking or obsolete, or to obtain information about recycling refillable containers,

contact Albaugh, Inc. Cleaning is not necessary prior to refilling with the same product. Clean container before final disposal. Disposal of this container must be in compliance with state arid local regulations.

Instructions for Refillers: Prior to refilling, inspect carefully for damage such as cracks, punctures, abrasions, worn out threads and closure devices. Check for leaks after milling and before transporting. If the container cannot be refilled, triple rinse or pressure test the empty container and offer for recycling if available. If not refilled or recycled, then puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state end local authorities, by burning. If burned, stay out of smoke.

[container label option for plastic 1-way containers]

Do not reuse container. Triple rinse containers, then puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by if burned, stay out of smoke.

[Container label option for drums]

Do not reuse container. Return container per the Albaugh container return program. If not returned, triple rinse container, than puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed be state and local authorities by burning. If burned, stay out of smoke.

5.0 GENERAL INFORMATION

ACETACHLOR 7.0 EC herbicide is recommended for control of yellow nutsedge and the annual grasses and broadleaf weeds listed in the "WEEDS CONTROLLED" section of this label. This product will not control emerged seedlings. This product may be applied either as a surface application before or after planting, or after crop emergence. This product may also be shallowly incorporated prior to planting to blend the herbicide treatment into the upper 1 to 2 inches of soil. Except for minimum or conservation tillage systems, the seedbed should be fine, firm and free of clods and trash.

Read and carefully observe precautionary statements and all other information appearing on the labeling of all products used in mixtures and sequential treatments.

5.1 USE RESTRICTIONS

- This chemical demonstrates the properties and characteristics associated with chemicals detected in ground water. The use of this chemical in areas where soils are permeable, particularly where the ground water is shallow, may result in ground water contamination. Do not apply to the following soils if ground water depth is 30 feet or less: sands with less than 3 percent organic matter; loamy sands with less than 2 percent organic matter; or sandy foams with less than 1 percent organic matter.

- This product may not be mixed or loaded within 50 feet of any wells (including abandoned wells and drainage wells), sink holes, intermittent streams and rivers, and natural or impounded lakes and reservoirs. This setback does not apply to properly capped or plugged abandoned wells and does not apply to impervious pad or properly diked mixing/loading areas.

- Operations that involve mixing, loading, rinsing, or washing of this product into or from pesticide handling or application equipment or containers within 50 feet of any well are prohibited unless conducted on an impervious pad constructed to withstand the weight of the heaviest load that may be positioned on or moved across the pad. Such a pad shall be designed and maintained to contain any product spills or equipment leaks, container or equipment rinse or washwater, and rainwater that may fall on pad. Surface water shall not be allowed to either flow over or from the pad, which means the pad must be self-contained. The pad shall be sloped to facilitate material removal. An unroofed pad shall be of sufficient capacity to contain a minimum of 110 percent of the capacity of the largest pesticide container or application equipment on the pad. A pad that is covered by a roof of sufficient size to completely exclude precipitation from contact with the pad shall have a minimum containment capacity of 100 percent of the capacity of the largest pesticide container or application equipment on the pad. Containment capacities as described above shall be

maintained at all times. The above specified minimum containment capacities do not apply to vehicles when delivering pesticide shipments to the mixing/loading site. States may have in effect additional requirements regarding wellhead setbacks and operational containment.

- Do not flood irrigate to apply or incorporate this product.
- Product must be used in a manner which will prevent back siphoning into wells, spills or improper disposal of excess pesticide, spray mixtures or rinsates.
- Do not apply this product through any type of irrigation system.
- Disposal of excess pesticide, spray mixtures or rinsate should be according to label use instructions or according to the State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA regional office.
- Do not apply under conditions which favor runoff or wind erosion of soil containing this product to non-target areas. To prevent off-site movement due to runoff or wind erosion:
    - Avoid treating powdery dry or light sandy soils when conditions are favorable for wind erosion. Under these conditions, the soil surface should first be settled by rainfall or irrigation.
    - Do not apply to impervious substrates such as paved or highly compacted surfaces or frozen or snow covered soils.
    - Do not use tailwater from the first flood or furrow irrigation of treated fields to treat non-target crops unless at least 1/2 inch of rain-fall has occurred between application and the first irrigation.
- Do not apply this product using aerial application equipment.
- Do not apply when wind conditions favor drift to non-target sites. To minimize spray drift to non-target areas:
    - Use low pressure application equipment capable of producing a large droplet spray. Do not use nozzles that produce a fine droplet spray. Minimize drift by using sufficient spray volume to ensure adequate coverage with large droplet size sprays.
    - Keep ground driven spray boom as low as possible above the target surface.
    - Make application when the wind velocity favors on-target product deposition (approximately 3 to 10 mph). Do not apply when wind velocity exceeds 15 mph. Avoid application when gusts approach 15 mph.
    - Low humidity and high temperatures increase the likelihood of spray drift to sensitive areas. Avoid spraying during conditions of low humidity and/or high temperatures. Do not apply during inversion conditions.
- Use of this product not consistent with this label may result in injury to persons, animals or crops, or other unintended consequences.
- Flush sprayer with clean water after use.
- Do not rotate to crops other than soybeans, corn (all types including sweet corn), milo (sorghum), wheat, or tobacco.

6.0 SOIL TEXTURE

Applicators should evaluate soil conditions carefully to assure that they choose the correct label rate. The

recommended use rates of this product and the other herbicides labeled for use in tank mixtures with this product vary with soil texture. Unless soil texture is specifically named, rate tables throughout this label refer to only three soil textural groups: coarse, medium and fine. The following is a complete listing of soil textures included in each of these three soil textural groups:

SOIL TEXTURAL GROUP	SOIL TEXTURE
COARSE:	sand, loamy sand, sandy loam
MEDIUM:	loam, silt loam, silt, sandy clay loam
FINE:	silty clay loam, clay loam, sandy clay, silty clay, clay

Refer to the above table to determine the corresponding soil textural group for the soil to be treated.

7.0 MIXING, SPRAYING AND HANDLING INSTRUCTIONS

NOTE: Direct contact or exposure to this product or spray mixtures of this product should be minimized. The following instructions for transfer, mixing, cleaning or repairing equipment should be followed in order to minimize this exposure. Review the protective clothing requirements as listed in the "PRECAUTIONARY STATEMENTS" section of this label and do not use this product until you have the necessary protective clothing.

2.5 Gallon Containers

Open pouring from these containers can result in exposure from splashing or spilling. Special care in lifting and pouring are strongly recommended.

Bulk Containers

Open pouring from these containers can result in exposure from splashing or spilling and is not recommended. This product should be transferred from these containers to the mix or spray tank using pumps or transfer probes. The probe or pump should not be removed from the container or disconnected until the container is emptied and rinsed. Use the pump or probe system to rinse the empty container and transfer the rinsate directly to the mix or spray tank.

7.1 Equipment Cleaning & Repair

Cleaning and repair of transfer systems and application equipment is a source of exposure to this product. Care should be taken to minimize exposure during cleaning and repair of transfer systems and application equipment. Whenever possible, these systems or equipment should be rinsed before being cleaned or repaired.

When repairs most be made during transfer or application, the equipment should be shut down, and special care taken to avoid contact with the pesticide.

7.2 Sprayer Compatibility

Always predetermine the compatibility of this product or labeled tank mixtures of this product with water carrier or sprayable fluid fertilizer carrier by mixing small proportional quantities in advance. See the "STANDARD SPRAYABLE FLUID FERTILIZER COMPATIBILITY TEST" section in this label to determine the compatibility of this product and the labeled tank mixtures recommended for use with sprayable fluid fertilizer carrier.

Mix this product or labeled tank mixture of this product with the appropriate carrier as follows:

1. Place a 20 to 35 mesh screen or wetting basket over filling port.
2. Through the screen, fill the sprayer tank one-half full with the appropriate carrier.
3. If a compatibility agent is necessary to improve mixing or to prevent the formation of undesirable and unsprayable gels or precipitates, while agitating add it to the carrier already in the tank. Use only compatibility agents cleared by FDA for this use. Read and follow all directions for use, cautionary statements and all other

information appearing on the selected compatibility agent label. Check for adequate agitation.

4. If a wettable powder or dry flowable formulation is used, make a slurry with water and add it slowly through the screen into the tank. Continue agitation.
5. If a flowable formulation is used, add slowly through screen into the tank. Mixing and compatibility may be improved when flow-able is pre-mixed one part flowable with one part water and added to the tank in diluted form.
6. Add this product slowly through the screen into the tank. Mixing and compatibility may be improved when this product is prediluted with two parts of water and added to the tank in diluted form.
7. Complete filling the sprayer tank with carrier. If a Roundup' agricultural herbicide or Gramoxone Extra is used, add the required amount near the end of the filling process. Remove hose from tank immediately after filling to avoid siphoning back into the carrier source.

Maintain good agitation at all times until the contents of the tank are sprayed.

NOTE: If spray mixture is allowed to settle at any time, thorough agitation is required to resuspend the mixture before spraying is resumed.

Keep by-pass line on or near bottom of tank to minimize foaming. Screen size in nozzle or line strainers should be 50 mesh. Carefully select proper nozzle to avoid spraying a fine mist. Check for even distribution of spray droplets. To reduce loss of the chemical due to drift of a fine mist, apply at nozzle pressures below 40 psi.

7.3 STANDARD SPRAYABLE FLUID FERTILIZER COMPATIBILITY TEST

Herbicides may not always mix evenly throughout a sprayable fluid fertilizer or the components may separate too quickly to make their combined use of practical value. This may be due to certain characteristics of the different fluid fertilizers. A simple test using small quantities of the components is suggested to provide compatibility potential. The test follows:

A. Materials Required For A Compatibility Test

1. Two one-quart jars with lid or stopper (marked "with" and "with-out').
2. Teaspoons (for a more exacting test, a five to ten milliliter (ml.) pipette or graduated cylinder is desirable).
3. Sprayable fluid fertilizer to be tested.
4. The herbicide chemicals to be mixed.
5. A compatibility agent (the purpose of the adjuvant is to help keep the fertilizer and crop protection chemical in suspension, if this assistance is needed).

B. Procedure

1. Add one pint of the sprayable fluid fertilizer that will be used or other herbicide carrier to each jar marked "with" and "without".

Add One Pint Liquid Fertilizer
To Two Quart Jars.

(insert jar pictures here)

2. To the jar marked "with", add 1/4 teaspoon or 1.2 milliliters of a suitable compatibility agent; shake gently for five to ten seconds to mix. (1/4 Teaspoon in one pint is the equivalent of two pints per 100 gallons of liquid fertilizer.)

To Jar Marked "With"
Add Compatibility Agent
And Shake to Mix

(insert jar pictures here)

3. To each jar add the appropriate amount of herbicide(s). If more than one is used, add them separately with the wettable powders or dry flowables added first, flowables second and liquid last. Shake gently five to ten seconds after each addition.

Add Herbicide(s) To Both Jars
And Shake to Mix.

(insert jar pictures here)

		Amount to Be Added Per Pint of Sprayable Fluid Fertilizer (Assuming Volume is 25 gal/A)
Herbicide	Rate/Acre	Level teaspoons
Wettable Powders or Dry Flowables	1 lb. =	1.5
	2 lb. =	3
	3lb. =	4.5
	4 lb. =	6
	5 lb. =	7.5

Herbicide	Rate/A	Teaspoons	Level Milliliters
Emulsifiable Concentrates or Flowables or Liquids or Solutions	1 pint =	0.5	or 2.4
	1 quart =	1	or 4.7
	2 quarts =	2	or 9.5
	3 quarts =	3	or 14.2
	1 gallon =	4	or 19.0
	5 quarts =	5	or 23.8

This compatibility test is designed for 25 gallons of spray per acre with the maximum labeled rate of herbicide. For changes in spray volume or herbicide rate, make appropriate changes in the ingredients of the test. Regardless of spray volume, the amount of compatibility agent should be equal to two or three pints (two pints = 1/4 Teaspoon or 1.2 milliliters, three pints = 3/8 Teaspoon or 1.8 milliliters per pint of sprayable fluid fertilizer) per 100 gallons of liquid fertilizer.

C. Observations and Decisions

1. If the herbicide(s) and the sprayable fluid fertilizer are compatible.
2. If a compatibility agent is necessary.

Five minutes after the final addition and mixing, observe both jars for the formation of large flakes, sludge, gels or other precipitates. Observe if the herbicide(s) cannot be physically mixed with the liquid fertilizer but remains as small oily particles in the solution.

If incompatibility in any form described above occurs in the jar "with" the compatibility agent added, the liquid fertilizer and the herbicide(s) should not be used together in the same spray tank.

If incompatibility as described above occurs in the jar "without" the adjuvant but not in the jar "with" adjuvant, the use of a compatibility adjuvant is recommended.

Both jars should be allowed to stand and be observed periodically for one-half hour. If the separate layers of liquid fertilizer and additives can be resuspended by shaking, commercial application is possible. An

emulsifiable concentrate normally will go to the top after standing; wettable powders will either settle to the bottom of the tank or jar, or float to the top, depending upon the density of the fertilizers.

If the herbicide(s) is compatible with fluid fertilizer in the foregoing test without having to use a compatibility agent, fluid fertilizer may be used for the premixing. If it is not compatible without the compatibility agent, the herbicide(s) should be premixed with water before adding to the spray tank.

8.0 APPLICATION SYSTEMS

8.1 Ground Broadcast Treatment

Apply this product and the labeled tank mixtures in 10 or more gallons of solution per acre using broad-cast boom equipment. The carrier may be either water or sprayable fluid fertilizer as specified for the crop to be treated in the "DIRECTIONS FOR USE" section of this label. Do not apply during periods of gusty winds, when winds are in excess of 15 mph or when other conditions favoring drift exist.

8.2 Ground Band Treatment

Apply a broadcast equivalent rate and volume per acre. To determine these:

Band width in inches / Row width in inches	X	Broadcast RATE per acre	=	Band RATE per acre

Band width in inches / Row width in inches	X	Broadcast VOLUME per acre	=	Band VOLUME per acre

8.3 Application with Dry Bulk fertilizer

The herbicide-fertilizer impregnation process (In-Plant and On-Board systems) must be completed only by commercial fertilizer or chemical dealerships properly equipped for this procedure. Contact Albaugh, Inc. for additional information regarding recommended equipment and methods for herbicide-fertilizer impregnation applications.

Dry bulk fertilizer may be impregnated with this product or the tank mixtures of this product plus atrazine on corn. This product and these tank mixtures must be applied with 200 to 450 pounds of dry bulk fertilizer per acre and shallowly incorporated within 14 days prior to planting. On medium and fine-textured soils in areas where soil incorporation is not planned, i.e., reduced tillage situations or in some conventional tillage situations, applications can be made up to 30 days before planting to allow moisture to move the herbicide-fertilizer mixture into the soil. On coarse-textured soils, applications can be made up to 14 days prior to planting. The herbicide must be applied as recommended in this label for the crop, weed and soil type treated. Refer to the table for broadcast rate per acre to deter-mine the recommended rate per acre for the herbicide treatment to be applied.

The following table provides a reference to determine the amount of LIQUID herbicide to be mixed per ton of dry bulk fertilizer for a range of herbicide recommendations for fertilizer rates per acre:

RECOMMENDED PINTS LIQUID HERBICIDE/ACRE

Fertilizer Rate (lb/acre)	Acres Covered (per ton)	2.0 (pints of herbicide/ton dry bulk fertilizer)	2.25	2.75
200	10	20	22.5	27.5

250	8	16	18	22
300	6.7	13.4	15	18.4
350	5.7	11.4	12.8	15.7
400	5	10	11.3	13.8
450	4.5	9	10.1	12.4

To determine the amount of herbicide needed for rates not included in the preceding table, use the following formula:

Recommended Herbicide Rate

$$\frac{\text{Pints/Acre X 2000}}{\text{Pounds Fertilizer/Acre}} = \text{Pints of herbicide per ton of dry bulk fertilizer}$$

With the In-Plant system, mix and blend the dry fertilizer and herbicide mixture in a closed rotary-drum type mixture allowing sufficient time to ensure uniform coverage. Use at least one ton of dry fertilizer per mixing operation. Inject the herbicide into the drum over a minimum of a 2-minute period and allow at least 2 additional minutes mixing time to ensure uniformity. The nozzle used to spray the herbicide treatment must be placed inside the mixer to provide uniform spray coverage of the tumbling fertilizer.

If the dry fertilizer used has inadequate absorptive capacity, use a higher absorptive material such as Agsorb or Micro-Cel E, to provide a free-flowing mixture. Contact Albaugh, Inc. Company for specific guidelines with regard to the sequence of addition for the various components and the amount of drying agent to add to provide a free-flowing mixture.

The following table provides a partial list of dry fertilizers which may be impregnated with this product or tank mixtures of this product with other herbicides:

Fertilizer	ACETACHLOR 7.0 EC	ACETACHLOR 7.0 EC + ATRAZINE
Ammonium sulfate (21-0-0)	Yes	Yes
Ammonium phosphate-sulfate (16-20-0)	Yes	Yes
Diammonium phosphate (18-46-0)	Yes	Yes
Potassium chloride (0-0-60)	Yes	Yes
Potassium sulfate (0-0-52)	Yes	Yes
Single super-phosphate (0-20-0)	Yes	No
Treble super-phosphate (0-46-0)	Yes	No
*Urea (46-0-0)	Yes	Yes

*Some ureas may be phytotoxic when applied on corn. Use only ureas known to be safe to corn.

NOTE: DO NOT impregnate this product or tank mixtures of this product with other herbicides on fertilizers containing ammonium nitrate, potassium nitrate or sodium nitrate.

Spread the herbicide-dry fertilizer mixture uniformly with a properly calibrated applicator: dribble, pneumatic (air flow) or spin. When using spin applicators, fertilizers impregnated with this product or tank mixtures of this product with other herbicides most be spread at half-rate and overlapped 100 percent to obtain full rate and uniform distribution. Non-uniform spreading of the fertilizer-herbicide mixture may result in unsatisfactory weed control or crop injury.

8.3.1 Pneumatic (Compressed Air) Application (ACETACHLOR 7.0 EC herbicide alone)

High humidity, high urea concentrations, low fertilizer use rates, and dusty fertilizer may cause herbicide-fertilizer mixture to build up or plug the distributor head, air tubes, or deflector plates. To minimize buildup, premix ACETACHLOR 7.0 EC herbicide with Exxon Aromatic 200 at a rate of 1 to 4 pints per gallon of ACETACHLOR 7.0 EC herbicide. Aromatic 200 may be used in either fertilizer blender or through direct injection systems. Drying agents should not be used when using Aromatic 200.

NOTES: Mixtures of ACETACHLOR 7.0 EC herbicide and Aromatic 200 must be used on dry fertilizer only. Poor results or crop injury may result if these mixtures are used in water or liquid fertilizer solutions for spraying applications. When impregnating ACETACHLOR 7.0 EC herbicide in a blender before application, a drier mixture can be attained by substituting a drying agent for Aromatic 200. The use of Agsorb or a drying agent of 6/30 particle size are recommended. Drying agents are not recommended for use with On-The-Go impregnation equipment.

9.0 APPLICATION TIMING AND METHODS

9.1 Early Preplant Surface Application

This product and some labeled tank mixtures of this product maybe applied in no-till and other conservation tillage systems before weeds emerge and up to 45 days before planting field corn or silage corn. Split applications can be made 30 to 45 days prior to planting with 60 percent of the recommended broad-cast rate applied initially and the remaining 40 percent applied at planting. Applications made less than 30 days prior to planting can be made either as a split or as a single application. If weeds are present at the time of application, apply this product in tank mixture with an appropriate contact herbicide. Observe directions for use, precautions and restrictions on the label of the contact herbicide. During the planting operation, be careful not to move untreated soil to the surface or move treated soil out of the row, as weed control may be reduced.

9.2 Preemergence Surface Application

This product and all labeled tank mixtures may be applied to the soil surface after planting and prior to either crop or weed emergence. Apply within 5 days of last preplant tillage. If weeds emerge after treatment, or if treatment is applied more than 5 days after last preplant tillage, rotary hoe or shallowly cultivate immediately to improve performance. Precipitation or overhead sprinkler irrigation is required after application to move the herbicide treatment into the weed germination zone. The amount of precipitation or overhead sprinkler irrigation required depends on existing soil mixture, soil type and percent organic matter content, but 1/4 to 3/4 inch is normally adequate. Performance is improved when moisture is received within 7 days after application and prior to weed emergence. High intensity or excessive rainfall or excessive irrigation after application may reduce control.

9.3 Preplant Incorporation Application

This product and many of the labeled tank mixtures may be mixed into the soil using shallow incorporation equipment any time within 14 days prior to planting. Apply the recommended treatment rate to the soil surface as a broadcast application. Either existing soil moisture or subsequent precipitation or irrigation is required to bring incorporated herbicide treatments into contact with germinating weed seedlings. If weeds emerge after treatment, rotary hoe or shallowly cultivate immediately to improve performance.

1-Pass Incorporation: Shallowly incorporate the treatment into the upper 1 to 2 inches of the soil. Equipment should be operated at manufacturer's designed speed for incorporation to ensure adequate mixing and distribution of the herbicide treatment in the soil. Equipment design including any drag attachments must be adequate to avoid soil ridging which may result in streaked or reduced weed control. Soil conditions, including moisture content and crop residue levels, must be suitable to allow thorough and uniform mixing with the equipment used for 1-pass incorporation.

2-Pass Incorporation: When 2-pass incorporation is used, shallowly incorporate the herbicide treatment into the upper 1 to 2 inches of the soil with equipment set to work the soil NO DEEPER THAN 4 INCHES. The second pass must be made at an angle to and no deeper than the first pass to ensure proper distribution of the herbicide treatment in the soil.

9.4 Postemergence Surface Application

This product and certain tank mixtures may be applied postemergence until corn reaches 11 inches in height. Application must be made prior to weed seedling emergence or in a tank mixture that controls emerged weeds. Read and follow all restrictions and directions on tank mix product labels. Refer to the specific treatment intended in the "DIRECTIONS FOR USE" section of the label to determine if postemergence applications to corn are recommended and determine the proper weed and corn growth stage limitations. Precipitation or overhead sprinkler irrigation is required after application to move the herbicide treatment into the weed germination zone to control unemerged weeds. The amount of precipitation or irrigation required depends on existing soil moisture, soil type and percent organic matter content, but 1/4 to 3/4 inch is normally adequate. If weeds emerge after treatment, rotary hoe or shallowly cultivate to improve performance.

DO NOT make postemergence surface applications using sprayable fluid fertilizer as the carrier because severe crop injury may occur.

Cultivation Information—Delay cultivation after application for as long as possible unless weeds or grasses emerge. Shallowly cultivate or rotary hoe immediately if weeds or grasses emerge. If cultivation is necessary because of soil crusting or compaction, set equipment shallow and minimize lateral soil movement to avoid dilution or displacement of the herbicide treatment. If a band application is used and weeds have emerged in the treated band, set cultivator to throw soil into the row covering the band.

10.0 WEEDS CONTROLLED

When applied as directed under conditions described, this product and tank mixtures of this product will control or reduce competition from the weeds listed.

10.1 Annual Grasses

NOTE: C = Control, R = Reduced Competition, X = No Control

	ACETACHLOR 7.0 EC plus				
	ACETACHLOR 7.0 EC	ATRAZINE	BANVEL or CLARITY	PRINCEP	PURSUIT
Barnyardgrass *Echincloa crus-galli*	C	C	C	C	C
Crabgrass *Digitaria ischaemum* *Digitaria sanguinells*	C	C	C	C	C
Crowfootgrass *Dactyloctenium segyptium*	C	C	C	C	C

	ACETACHLOR 7.0 EC plus				
	ACETACHLOR 7.0 EC	ATRAZINE	BANVEL or CLARITY	PRINCEP	PURSUIT
Cupgrass, prairie *Eriochloa contracta*	C	C	C	C	C
Cupgrass, woolly 1 *Eriochola villosa*	C	C	C	C	C
Foxtail: giant, *Setaria faberi*	C	C	C	C	C
Foxtail: green, robust purple, robust white, yellow *Setaria viridis*					
Goosegrass *Eleusine indica*	C	C	C	C	C
Johnsongrass, seedling *Sorghum halepense*	R	R	R	R	C
Millet, foxtail *Setaria italica*	R	R	R	R	R
Millet, proso 2 *Panicum milliceum*	R	R	R	R	R
Oats, wild *Avena fatua*	R	C	R	C	R
Panicum, browntop *Panicum fasciculatum* Panicum, fall *Panicum dichotomiflorum*	C	C	C	C	C
Panicum, Texas *Panicum texanum*	R	R	R	R	R
Rice, red *Oryza sativa*	C	C	x	C	C
Sandbur, Grassbur *Cenchrus incertus*	R	R	x	R	R
Shattercane, wildcane 2 *Sorghum bicolor*	R	R	x	R	R
Signalgrass, broadleaf *Brachieria platyphylla*	C	C	C	C	C
Sprangletop, red *Leptochioa filiformis*	C	C	C	C	C
Wheat, volunteer *Triticum aestivum*	R	C	R	C	R
Witchgrass Panicum capilare	C	C	C	C	C

10.2 Annual Broadleaves

	ACETACHLOR 7.0 EC plus				
	ACETACHLOR 7.0 EC	ATRAZINE	BANVEL or CLARITY	PRINCEP	PURSUIT
Beggarweed, Florida *Desmodium tortuosum*	R	C	x	x	R
Carpetweed *Mollugo verticillata*	C	C	C	C	C
Cocklebur 3 *Xanthium strumarium*	x	C	C	R	R
Galinsoga *Galinsoga spp.*	C	C	C	C	C
Groundcherry, annual *Physalis spp.*	x	C	x	x	x
Groundcherry, cutleaf *Physalis angulata*	R	C	C	C	R
Henbit *Lemium amplexicaula*	C	C	C	C	C
Jimsonweed 8 *Datura stramonium*	R	C	x	R	C
Kochia 4 *Kochia scoparia*	R	C	x	C	C
Lambsquarters 5 *Chenopodium album*	C	C	C	C	C
Morningglory3: Tall *Ipomoea purpurea* Pitted *Ipomoea lacunosa* Ivyleaf *Ipomoea hederacea* Entireleaf *Ipomoea hederacea var. intergriusclua* Smallflower *Jacquemontia temnifolia*	x	C	R	C	R
Mustard *Brassica spp.*	x	C	C	C	C
Nightshade: Black *Solanum nigrum* Hairy *Solanum sarrachoides*	C	C	C	C	C
Pigweed, Carelessweed 5 *Amaranthus spp.*	C	C	C	C	C
Purslane *Portulaca oleracea*	C	C	C	C	C
Pusley, Florida *Richardia scabra*	C	C	C	C	C
Ragweed, common 5 *Ambrosia artemisiifolia*	C	C	C	C	C
Ragweed, giant 3 *Ambrosia trifida*	x	C	C	C	R
Sicklepod *Cassia obtusifolia*	x	C	x	R	x

	ACETACHLOR 7.0 EC plus				
	ACETACHLOR 7.0 EC	ATRAZINE	BANVEL or CLARITY	PRINCEP	PURSUIT
Sida, prickly; Teaweed *Sida spinosa*	R	C	x	C	C
Smartweed *Polygonum pensylvanicum* *Polygonum persicaria*	R	C	C	C	C
Starbur, bristly *Acanthospermum hispidium*	R	C	x	R	x
Sunflower, common 3,8 *Helianthus annuus*	x	C	R	R	C
Velvetleaf, Buttonweed 6,8 *Abutilon theophrasti*	R	C	C	R	C
Waterhemp *Amaranthus tuberculatus*	C	C	C	C	C
SEDGE					
Nutsedge, yellow 7 *Cyperus esculentus*	C	C	x	C	C

1. Use 3 to 3.4 pints per acre of this product applied alone or in tank mix combinations for best results. Control can be erratic especially under dry weather conditions. Control escaped weeds with cultivation or application of an appropriate EPA registered postemergence herbicide. Contact the local ALBAUGH, INC. representative for details regarding a complete woolly cupgrass management program.

2. Use 3 to 3.4 pints per acre of this product to reduce competition from this weed.

3. Use a minimum of 1.5 quarts atrazine 4L per acre in tank mixture combinations to control this weed. Control can be erratic especially under dry weather conditions. Control escaped weeds with cultivation or application of an appropriate EPA-registered postemergence herbicide.

4. If triazine-resistant biotypes are suspected, tank mixtures with triazine herbicides may require a post sequential application of a non-triazine herbicide for control.

5. Use the higher rate in the recommended range for ACETACHLOR 7.0 EC herbicide alone and in tank mixtures with triazine herbicides if triazine resistant biotypes are suspected.

6. Use a minimum of 1.5 quarts atrazine per acre in tank mixture combinations to control this weed. In areas restricted to 1 pound atrazine per acre (1 quart atrazine 4L) or where less atrazine per acre is desired, on medium and fine textured soils, use 2.75 pints of ACETACHLOR 7.0 EC herbicide in a tank mixture with 1 quart atrazine 4L per acre for control of this weed. Control can be erratic especially under dry weather conditions. Control escaped weeds with cultivation or application of an appropriate EPA registered postemergence herbicide.

7. Use 2.5 to 3.4 pints per acre of this product applied alone or in tank mixtures and apply preplant incorporated only for control on medium and fine-textured soils.

8. When using a tank mixture of ACETACHLOR 7.0 EC herbicide plus Pursuit, these weeds are more consistently controlled by preplant incorporated treatments.

11.0 CONSERVATION OR MINIMUM TILLAGE SYSTEMS

NOTE: Each section of this label provides recommended treatment rates for this product and tank mixtures including this product. Applications, which are not consistent with recommendations in this label, may result in

unsatisfactory weed control, injury to crops, persons or animals, or other unintended consequences. Refer to specific product labels for crop rotation restrictions and cautionary statements of all products used in these tank mixtures, including precautions on soil pH sensitive varieties, minimum recropping interval and rotational guidelines.

Use the higher rates in the recommended ranges in areas of heavy weed infestation or where otherwise specified. If emerged weeds exist at planting, the application of a contact herbicide or tillage is recommended when possible to eliminate existing weeds. Do not apply when conditions favor drift.

Detailed information regarding "APPLICATION SYSTEMS" and "APPLICATION TIMINGS AND METHODS" appears in the "GENERAL INFOQMATION" section and should be carefully reviewed in conjunction with the information in this section. If the specific information of this section differs from the "GENERAL INFORMATION", the specific information should control.

The tank mix recommendations in the Conventional Tillage Section of this label may also be followed when using Conservation or Minimum Tillage Systems. Follow all label precautions, directions and restrictions of tank mix partners.

11.1 At-Planting Applications

When applied as directed under the conditions described, these tank mixtures control many emerged annual weeds, suppress many emerged perennial weeds and give preemergent control of many annual grasses and weeds when corn will be planted directly into a cover clop, established sod or in previous crop residues. These tank mixtures will not control regrowth from perennial weeds.

DO NOT APPLY BY AIR.

Refer to specific product labels for crop rotation restrictions and cautionary statements of all products used in these tank mixtures. For mixing instructions, sea the "Mixing and Spraying Instructions" section this label.

11.1.1 Additional Preemergence Control

This product and tank mixtures with atrazine, Princep, Pursuit or atrazine plus Princep can be tank-mixed with Glyphosate agricultural herbicides, Gramoxone Extra and/or 2,4-D.

Apply these tank matures with a Roundup agricultural herbicide or 2.4-D (amine or low volatile ester) in 10 to 20 gallons of water or 10 to 60 gallons of nitrogen solution per acre, or the tank mixtures with Gramoxone Extra in 10 to 20 gallons of water or clear liquid fertilizer per acre immediately before, during or after planting, but BEFORE CROP EMERGENCE. As density of stubble crop residue or weeds increase, spray and rate should be increased within the recommended ranges to ensure complete coverage. In the absence of emerged vegetation delete the Roundup agricultural herbicide, Gramoxone Extra or 2,4-D portion of these tank mixtures.

Approved Application Systems
Ground—Broadcast boom

11.2 Control or Suppression of Emerged Weeds

AVOID DRIFT – EXTREME CARE MUST BE USED WHEN APPLYING THESE TANK MIXTURES TO PREVENT INJURY TO DESIRABLE PLANTS AND CROPS. Do not allow spray mist to drift since even minute quantities of spray can cause severe damage or destruction to nearby crops, plants or other areas on which treatment is not intended. Do not apply when winds are gusty or in excess of 5 miles per hour or when rather conditions, including lesser wind velocities, will allow drift to occur. When spraying, avoid combinations of pressure and nozzle type that will result in fine particles (mist) which are more likely to drift.

11.2.1 Roundup WeatherMAX Herbicide

Annual Weeds

Apply Roundup WeatherMAX herbicide, or other glyphosate agricultural herbicides, in the recommended tank

mixtures at the proper rate for the weed per the label Instructions.

Perennial Weeds

At normal application dates in minimum tillage systems, perennial weeds may not be at the proper stage of growth for control. Use of 1.3 to 2.7 quarts of Roundup WeatherMAX herbicide per acre or equivalent rates of other Glyphosate agricultural herbicides, in the above mixtures under these conditions provides top kill and reduces competition from many emerged perennial grasses and broadleaf weeds.

USE OF THIS MIXTURE FOR BERMUDAGRASS OR JOHNSONGRASS CONTROL IS NOT RECOMMENDED.

NOTE: When using these tank mixtures, do not exceed 2.7 quarts of Roundup WeatherMAX herbicide per acre,

Ammonium Sulfate

The addition of ammonium sulfate in the spray solution may increase the performance of glyphosate agricultural herbicide tank mixture on emerged annual weeds under adverse growing conditions. When using ammonium sulfate, add 2 percent dry ammonium sulfate by weight or 17 pounds per 100 gallons of water. Ammonium sulfate should be added to the water in the spray tank and completely dissolved prior to adding the herbicide or surfactant. Do not mix ammonium sulfate in fluid fertilizer solutions. The equivalent rate of ammonium sulfate in a liquid formulation may also be used.

If Ammonium sulfate is added directly to the spray tank, add slowly with agitation. Adding too quickly may clog outlet lines. Nozzle tip plugging may result from the use of low quality ammonium sulfate. To determine quality, perform a jar test by adding 1/3 cup of ammonium sulfate to 1 gallon of water and agitate for one minute, undissolved sediment is observed, pre-dissolve the ammonium sulfate in water and filter prior to adding the spray tank.

Surfactants

Nonionic surfactants that are labeled for use with herbicides may be used with some glyphosate agricultural herbicides check specific label for restrictions. Do not reduce rates of glyphosate agricultural herbicides when adding surfactant. Use 0.5 percent surfactant concentration (2 quarts per 100 gallons of spray when using surfactants that contain at least 50 percent active ingredient or a 1 percent surfactant concentration (4 quarts per 10 gallons of spray solution) for those surfactants containing less than 50 percent active ingredient. Read and carefully observe surfactant cautionary statements and other information appearing on the surfactant label.

11.2.2 Gramoxone Extra

When used as directed, Gramoxone Extra in a labeled tank mixture controls many emerged annual weeds and suppresses many emerged perennial weeds.

Broadcast Treatment

Apply 1.5 to 3 pints of Gramoxone Extra per acre in the recommended tank mixtures immediately before, during or after planting but BEFORE CROP EMERGENCE. Use 2 to 2.5 pints when weeds are 3 to 6 inches tall. Use 2.5 to 3 pints when weeds are 6 inches tall. This mixture may not control weeds taller than 6 inches. As density of stubble, crop residue or weeds increases, spray gallonage should be increased within the recommended range for complete coverage. Add a nonionic spreader surfactant, (approved for use on crops) containing at least 75 percent surfactant active agent at 8 ounces per 100 gallons of diluted spray. REFER TO THE GRAMOXONE EXTRA LABEL FOR PRECAUTIONARY STATEMENTS.

11.2.3 2,4-D

When used as directed, 2,4-D in labeled tank mixtures controls many emerged annual and perennial broadleaf weeds. For emerged weeds controlled see the WEEDS CONTROLLED section of the label for 2,4-D.

Broadcast Treatment

Apply 1 to 2 pints of 2,4-D (amine or low-volatile ester) in the recommended tank mixtures. Applications should

be made 7 to 14 days before planting or 3 to 5 days after planting but BEFORE CORN EMERGES. As density of stubble, crop residue or weeds increase, spray gallonage should be increased within the recommended range for complete coverage.

DO NOT use 2,4-D on light, sandy sods, or where soil moisture is inadequate for normal weed growth. Observe precautions and limitations on the 2,4-D label booklet.

11.3 Early Preplant Application

If emerged weeds are present at the time of treatment, a glyphosate agricultural herbicide, Gramoxone Extra or 2,4-D should be added to this product according to the directions for use on their respective product labels. If unsatisfactory weed control occurs (due to excessively dry or excessively wet conditions) following the earlier application, a postemergent application of an appropriate labeled grass and/or broadleaf weed herbicide may be used. If a postemergence treatment includes the herbicide used early preplant, do not exceed the labeled rate for corn on a given soil texture. Observe all precautions and limitations on the labels for Acetochlor 7.0 EC, glyphosate agricultural herbicides, Gramoxone Extra, 2,4-D and other postemergent herbicides before use of these products.

DO NOT apply tank mixtures containing a Roundup agricultural herbicide, Gramoxone Extra or other contact herbicides by air.

11.3.1 ACETOCHLOR 7.0 EC

This product, when applied in a single application or split application will provide preemergence control or reduced competition of the annual grasses and broadleaf weeds listed in the "WEEDS CONTROLLED" section of this label. If weeds are emerged at time of application, apply a labeled contact herbicide with this product. Observe the directions for use, precautions and restrictions on the label of the contact herbicide.

Approved Application Systems

Ground - Broadcast boom
Dry bulk Fertilizer impregnation
Recommended Rate and Timing of Application

Single application

Application of this product should be made less than 30 days before planting but prior to weed emergence.

NOTE: Application on coarse soils should not be made more than two weeks prior to planting.

Split Application

Apply 60 percent of the recommended rate as a split application prior to weed emergence and no more than 45 days prior to planting and the remaining 40 percent at or immediately following planting but before crop emergence.

See the following table for recommended broadcast rates per am for single and split applications.

	BROADCAST RATE PER ACRE
SOIL TEXTURAL GROUP	Acetochlor 7.0 EC (Pints)
Coarse	1.50 to 2.00
Medium	2.25 to 2.75
Fine	2.75 to 3.00

In order to provide broad-spectrum weed control, both single and spilt applications of this product must be followed with a planned postemergence application of a labeled broadleaf and/or grass herbicide. Observe the

directions for use, precautions and restrictions on the label of the postemergence herbicide before use of these products.

If emerged weeds exist at planting, the application of contact herbicide or tillage is recommended when possible to eliminate existing weeds.

11.3.2 ACETOCHLOR 7.0 EC Plus Atrazine

This tank mixture, when applied in a single application (alone or in a 3-way combination with Princep), split application or as a sequential application to Princep in early preplant programs, will provide preemergence control or reduced competition of annual grasses and broadleaf weeds listed In the "WEEDS CONTROLLED" section of this label.

DO NOT graze treated area or feed treated forage to livestock for 21 days following application of this tank mixture.

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The maximum atrazine broadcast application rates for corn:

If no atrazine was applied prior to corn emergence, apply a maximum of 2 pounds active ingredient per acre broadcast. If a postemergence treatment is required following an earlier herbicide application, the total atrazine applied may not exceed 2.5 pounds active ingredient per acre per calendar year.

Apply a maximum of 2.0 pounds active ingredient per acre as a single preemergence application on soils that are not highly erodible or on highly erodible if at leant 30 percent of the soil is covered with plant residues, or

Apply a maximum of 1.6 pounds active ingredient per acre as a single preemergence application on highly erodible soils if <30 percent of the surface is covered with plant residues; or 2.0 pounds active ingredient per acre if only applied postemergence.

CORN, SOYBEANS* OR MILO (SORGHUM) can be planted the year following use of this mixture.

There is a possibility of injury due to carryover of atrazine if soybeans are planted the following year. DO NOT plant soybeans the year following use of this tank mixture or furrow irrigated corn.

Approved Application Systems

Ground -- Broadcast boom
Dry Bulk Fertilizer Impregnation

Recommended Rate and Timing of Application

Single application

Application of this product should be made less than 30 days before planting but prior to weed emergence.

NOTE: Application on course soils should not be made more than two weeks prier to planting.

Split application

Apply 60 percent of the recommended rate as a split application prior to weed emergence and no more than 45 days prior to planting and the remaining 40 percent at or immediately following planting but before crop emergence.

See the following table for recommended broadcast rates, per acre for single and split applications.

	BROADCAST RATE PER ACRE		
SOIL TEXTURAL GROUP	Acetochlor 7.0 EC* (Pints)	+	Atrazine 4L** (quarts)

Coarse	1.75		1.25 to 1.5
Medium	1.75 to 2.25		1.50 to 2.0
Fine	2.00 to 2.50		1.50 to 2.0

* Use the higher rates in the recommended ranges in areas of heavy weed infestation.
** Use rates listed in this label when using atrazine 4L, Use equivalent rates when using atrazine 90 percent dry flowable formulations. One quart of atrazine 4L equals 1.1 pounds of atrazine 90 percent dry flowable.

If emerged weeds exist at planting, the application of contact herbicide or tillage is recommended when possible to eliminate existing weeds.

Sequential Application

Apply 1 to 1.25 quarts per acre of Princep prior to weed emergence and no more than 45 days prior to planting. At or immediately following planting, but before crop emergence, apply the recommended rate of this tank mixture.

NOTE: LAND TREATED WITH PRINCEP SHOULD NOT BE PLANTED TO ANY CROP OTHER THAN CORN FOR ONE YEAR FOLLOWING TREATMENT AS CROP INJURY MAY OCCUR, AFTER HARVEST OF TREATED CROP, PLOW AND THOROUGHLY TILL THE SOIL IN THE FALL OR SPRING TO MINIMIZE POSSIBLE INJURY TO SPRING SEEDED ROTATIONAL CROPS.

Following application of Princep, see the following table for recommended rates.

	BROADCAST RATE PER ACRE		
SOIL TEXTURAL GROUP	Acetochlor 7.0 EC* (Pints)	+	Atrazine 4L** (quarts)
Coarse	1.75		1.25
Medium	~~1.75 to~~ 2.25		1.50
Fine	~~2.00~~ to 2.50		1.50 to 2.0

2.25-2.5

* Use the higher rates in the recommended ranges in areas of heavy weed infestation.
** Use rates listed in this label when using atrazine 4L. Use equivalent rates when using atrazine 90 percent dry flowable formulations. One quart of atrazine 4L equals 1.1 pounds of atrazine percent dry flowable.

12.0 CONVENTIONAL TILLAGE

NOTE: Each section of this label provides recommended treatment rates for this product and tank mixtures including this product. Applications that are not consistent with recommendations in this label may result in unsatisfactory weed control, injury to crops, persons or animals, or other unintended consequences. Refer to specific product labels for crop rotation restrictions and cautionary statements of all products used in these tank mixtures, including precautions on soil pH sensitive varieties, minimum re-cropping interval and rotational guidelines.

Use the higher rates in the recommended ranges in areas of heavy weed infestation or where other specified. If emerged weeds exist at planting, the application of a contact herbicide or tillage is recommended when possible to eliminate existing weeds. Do not apply when conditions favor drift.

Detailed information regarding "APPLICATION SYSTEMS" and "APPLICATION TIMINGS AND METHODS" appears in the "GENERAL INFORMATION" section and should be carefully reviewed in conjunction with the information in this section. If the specific information in this Section differs from the "GENERAL INFORMATION", the specific information should control.

12.1 ACETOCHLOR 7.0 EC

Apply this product in water or sprayable fluid fertilizer solution.

Approved Application Systems

Ground - Broadcast Boom; banded
Dry Bulk Fertilizer Impregnation

Approved Application Methods

Preplant Incorporated; Preemergence Surface

Postemergence Surface

Apply this product prior to weed emergence and before corn reaches 11 inches in height. Do not exceed 3.4 pints per acre. Weeds emerges at the time of application are not controlled by this product. If weeds are emerged at application, shallowly cultivate or rotary hoe to improve performance. DO NOT make postemergence surface applications using sprayable fluid fertilizer as the carrier because severe crop injury may occur.

RECOMMENDED RATES: Refer to the following tables for the recommended broadcast treatment rates for this product. Applications which are not consistent with recommendations n this label may result in unsatisfactory weed control or crop injury.

Application Rates

	BROADCAST RATE PER ACRE (pints)*	
SOIL TEXTURAL GROUP	Less than 3% organic matter	3% or more organic matter**
Coarse	1.25 to 1.75	1.75
Medium	1.75 to 2.25	1.75 to 2.25
Fine	1.75 to 2.25	2.25 to 2.75

* Use the higher rate in the recommended range in areas of heavy weed infestation.

** On soils with 6 to 10 percent organic matter use 2.5 to 3.4 pints/acre. On soils with more than 10 percent organic matter, use 3.4 pints/acre.

12.2 ACETOCHLOR 7.0 EC Plus Roundup WeatherMAX on Roundup Ready Corn and Roundup Ready Corn 2

This program may be used postemergence to Roundup Ready Corn and Roundup Ready Corn 2 from seedling emergence until the corn reaches 11 inches in height. Refer to the Roundup WeatherMAX other glyphosate agricultural herbicide labels for specific weeds controlled postemergence.

AVOID DRIFT. EXTREME CARE MUST BE USED WHEN APPLYING THIS PRODUCT TO PREVENT INJURY TO DESIRABLE PLANTS AND CROPS WHICH DO NOT CONTAIN THE ROUNDUP READY GENE.

Approved Application Systems
Ground - broadcast boom

Approved Application Methods

Preemergence Surface

Sequential Program

This product may be applied preemergence to Roundup Ready Corn and Roundup Ready Corn 2 at the Roundup Ready Rate of 1.5 pints per acre in a planned preemergence followed by glyphosate agricultural herbicide postemergence sequential program.

Postemergence Surface

This product is applied postemergence to Roundup Ready Corn and Roundup Ready Corn 2 from seedling emergence until the corn is 11 inches in height. The Roundup Ready Rate for this product is 1.5 pints per some. Labeled use rates for this tank mix are defined in the table below. Use the higher rate on larger weeds and where heavy weed infestations exist. This tank mix should be applied when weeds are 2 to 4 inches in height and before the weed height and/or density become competitive with the crop.

For difficult to control weeds such as fall panicum, barnyard grass, crabgrass, shattercane, broadleaf signalgrass and Pennsylvania smartweed use the higher rate of Roundup WeatherMAX or equivalent rates or other glyphosate agricultural herbicides.

ROUNDUP READY RATE – ACETOCHLOR 7.0 EC at 1.5 pints per acre.

Application Rates (Minimum and Maximum range)

	BROADCAST RATE PER ACRE	
SOIL TEXTURAL GROUP	Acetochlor 7.0 EC (Pints)	Roundup WeatherMAX (OUNCES)
Coarse	1.0 to 1.75	16 to 22
Medium 1.1	~~1.75~~ to 2.25	16 to 22
Fine 1.1	~~2.00~~ to ~~2.50~~ 2.75	16 to 22

12.3 Acetochlor 7.0 EC plus Accent

Apply this tank mixture in water after crop emergence to provide preemergence and postemergence control of certain grass and broadleaf weeds. Refer to the Accent herbicide label for specific weeds controlled postemergence. Applications which are not consistent with recommendations in this label may result in unsatisfactory weed control or crop injury.

Approved Application Systems

Ground - Broadcast boom; banded

Approved Application Methods

Postemergence Surface

Apply this tank mixture after corn emergence up to 11 inches in height and until grasses are 3 inches in height_ Applications made after weeds exceed 3 inches in height may not provide satisfactory control. Always add a nonionic surfactant at 0.25 percent v/v. This tank mixture will not control certain emerged broadleaf weeds. Addition of Dicamba DMA or Permit herbicide will improve performance on broadleaf weeds.

Refer to the Accent herbicide label for specific weeds controlled. Some leaf burn to corn may occur occasionally but subsequent growth or yield should not be affected.

Application Rates

	BROADCAST RATE PER ACRE*					
	Less than 3% organic matter			3% or more organic matter**		
SOIL TEXTURAL GROUP	Acetochlor 7.0 EC	+	Accent*** (ounces)	Acetochlor 7.0 EC	+	Accent (ounces)
Coarse	1.00 to 1.25		½ to 2/3	1.25 to 1.75		½ to 2/3
Medium	1.25 to 2.25		½ to 2/3	1.75 to 2.25		½ to 2/3
Fine	1.75 to 2.25		½ to 2/3	1.75 to 2.75		½ to 2/3

* Use the higher rate in the recommended ranges in areas of heavy weed Infestation.

** On soils with 6 to 10 percent organic matter use 2.5 to 3.4 pints/acre. On soils with more than 10 percent organic matter, use 3.4 pints/acre.

*** The Accent rate may be reduced to 1/3 to 2/3 ounce per acre if grasses are less then 2 inches in height when sprayed.

12.4 Acetochlor 7.0 EC plus Atrazine

Apply this tank mixture in water or sprayable fluid fertilizer.

Approved Application Systems
Ground-Broadcast boom; banded
Dry Bulk Fertilizer Impregnation

Approved Application Methods
Preplant Incorporated; Preemergence Surface

Postemergence Surface
Apply this tank mixture before weeds reach the 2-leaf stage and the corn is no more than 11 inches in height. Applications made beyond the 2-leaf stage may not provide satisfactory weed control. Some leaf burn to corn may occur occasionally but subsequent growth or yield should not be affected. DO NOT make postemergence surface applications using sprayable fluid fertilizer as the carrier because severe crop injury may occur.

The maximum atrazine broadcast application rates for corn:

- If no atrazine was applied prior to corn emergence, apply a maximum of 2 pounds active ingredient per acre broadcast. If a postemergence treatment is required following an earlier herbicide application, the total atrazine applied may not exceed 2.5 pounds active ingredient per acre per calendar year.
- Apply a maximum of 2.0 pounds active ingredient per acre as a single preemergence application on soils that are not highly erodible or on highly erodible if at least 30 percent of the soil is covered with plant residues, or
- Apply a maximum of 1.6 pounds active ingredient per acre as a single preemergence application on highly erodible soils if <30 percent of the surface is covered with plant residues; or 2.0 pounds active ingredient per acre if only applied post emergence.

CORN, SOYBEANS* CR MILO (SORGHUM) can be planted the year following use of this mixture.

- There is a possibility of injury due to carryover of atrazine if soybeans are planted the following year. DO NOT plant soybeans the year following use of this tank mixture on furrow irrigated corn.

DO NOT graze treated area or feed treated forage to livestock for 21 days following application of this tank mixture.

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Application Rates

BROADCAST RATE PER ACRE*

	LESS THAN 3% ORGANIC MATTER			3% OR MORE ORGANIC MATTER		
SOIL TEXTURAL GROUP	Acetochlor 7.0 EC (pints)	+	ATRAZINE 4L** (quarts)	Acetochlor 7.0 EC (pints)	+	ATRAZINE 4L** (quarts)
Coarse	1.00 to 1.25		1.25 to 2.00	1.25 to 1.75		1.25 to 2.0
Medium	1.25 to 1.75		1.25 to 2.0	1.75 to 2.25		1.50 to 2.0
Fine	1.75 to 2.25		1.50 to 2.0	1.75 to 2.25		1.50 to 2.0

*Use the higher rate in the recommended ranges in areas of heavy weed infestation. In areas restricted to 1 pound atrazine per acre (1 quart atrazine 4L) or where less atrazine per acre is desired, on medium- and fine-textured soils use 2.75 pints of Acetochlor 7.0 EC herbicide in a tank mixture with 1 quart atrazine 4L per acre for control of grass and broadleaf weeds listed except cocklebur.

**Use rates listed in this label when using Atrazine 4L. Use equivalent rates when using atrazine 90 percent dry flowable formulations. One quart of atrazine 4L equals 1.1 pounds of atrazine 90 percent dry flowable.

12.5 Acetochlor 7.0 EC Plus Balance Pro

For Use in Field Corn and Silage Corn

Approved Application Systems
Ground – Broadcast boom; banded.

Approved Application Method

Preemergence Surface

Balance PRO is not registered in all states. Follow all Restrictions and Precautions on the Balance PRO label including planting depth, environmental precautions, and soil type restrictions.

Follow the Balance PRO Technical Bulletins, 24(c) labels and 2(ee) recommendations for additional use rate restrictions based on soil textures and depth to groundwater in various states.

Application Rates:

BROADCAST RATE PER ACRE

	LESS THAN 3% ORGANIC MATTER			3% OR MORE ORGANIC MATTER		
SOIL TEXTURAL GROUP	Acetochlor 7.0 EC (pints)	+	BALANCE PRO (ounces)	Acetochlor 7.0 EC (pints)	+	BALANCE PRO (ounces)
Coarse*	1.00 to 1.75		1.0 to 1.88	1.25 to 1.75		1.0 to 1.88
Medium	1.25 to 2.25		1.0 to 2.50	1.25 to 2.25		1.50 to 3.0
Fine	1.25 to 2.25		1.50 to 2.75	1.75 to 2.75		2.0 to 3.50

*It is not recommended to use Balance PRO on coarse soils with less than 1.5% organic matter.

12.5 Acetochlor 7.0 EC plus Dicamba DMA Or Clarity

For use on level or flat-planted field corn on soils with more than 2 percent organic matter.

Apply in water or sprayable fluid fertilizer solutions for control of the annual grasses and broadleaf weeds listed in the 'WEEDS CONTROLLED' section of this label.

Approved Application Systems
Ground—Broadcast boom; banded

Approved Application Methods

Preemergence Surface
Apply this tank mixture after planting, before crop and weeds emerge and within 5 days of last preplant tillage operation. Corn seeds must be planted 1-1/2 inches or deeper beneath the soil surface. Direct chemical contract with corn seed must be avoided since crop injury may result. Apply far enough behind planter equipment to avoid any incorporation by the planter wheel or other covering device. Do not apply if corn seeds are planted less than 1-1/2 inches beneath the soil surface.

For Use on Kochia – Preemergence Surface only – Dicamba DMA and Clarity tank mix rates may be reduced to 0.25 to 0.5 pint per acre in soils less than 3% organic matter, or 0.5 pint per acre in soils equal to or greater than 3% organic matter. Follow all label restrictions.

Postemergence Surface
Apply this tank mixture prior to emergence of grasses and before corn exceeds 8 inches in height. This tank mixture does not control emerged grasses. Addition of Accent to this tank mixture will improve control of emerged grasses. Some leaf burn to corn may occur occasionally but subsequent growth or yield should not be affected. DO NOT make postemergence surface applications using sprayable fluid fertilizer as the carrier because severe crop injury may occur.

NOTE: PREVENT DRIFT TO SOYBEANS OR OTHER DESIRABLE PLANTS. Do not use on furrow-irrigated corn, or when corn is planted at the bottom of a furrow, utilizing lister, till or other similar planting methods. DO NOT incorporate after planting or corn emergence. If it is necessary to drag for leveling or rotary hoe to break soil crust. DO NOT disturb the soil more than ½ inch deep.

Application Rates

BROADCAST RATE PER ACRE*

	LESS THAN 3% ORGANIC MATTER			3% OR MORE ORGANIC MATTER		
SOIL TEXTURAL GROUP	Acetochlor 7.0 EC (pints)	+	BANVEL or CLARITY (pints)	Acetochlor 7.0 EC (pints)	+	BANVEL or CLARITY (pints)
Coarse**	1.00 to 1.75		1	1.75		1
Medium	1.75 to 2.25		1	1.75 to 2.25		1
Fine	1.75 to 2.25		1	2.25 to 2.75		1

*Use the higher rate in the recommended ranges in areas of heavy weed infestation.
**On coarse-textured soils containing 2 percent or more organic matter, use Acetochlor 7.0 EC herbicide plus Dicamba DMA or Clarity only on sandy loam. Do not use on sand and loamy sand with less than 2 percent organic matter.

12.7 Acetochlor 7.0 EC Plus Callisto™

For Postemergence surface applications for field corn, production seed corn and silage corn

Approved Application Systems
Ground-Broadcast boom; banded

Approved Application Methods

Postemergence Surface

Callisto is not registered in all states. Follow all Restrictions and Precautions on the Callisto label including planting depth, environmental precautions, and soil type restrictions.

Do not apply to the following soils if ground water depth is 30 feet or less: sands with less than 3% organic matter: loamy sands with less than 2% organic matter or sandy loams with less then 1% organic matter,

RECOMMENDATION

Acetochlor 7.0 EC may be tank-mixed with 3 ounces of Callisto for postemergence applications:

- Use the labeled rates of Acetochlor 7.0 EC that correspond to the soil texture and organic matter.
- Broadleaf weeds should not exceed 5 inches for Callisto applications.
- Accent herbicide may be added for postemergence grass control. Follow the label for Accent rates and maximum grass sizes.
- Corn must be sprayed before it exceeds 11 inches in height.
- Add 2.5% (v/v) spray grade UAN (28%N) or AMS (8.5 lbs/100 gallons spray solution)
- The addition of 0.25% (v/v) NIS to Acetochlor 7.0 EC will aid in emerged weed control.
- DO NOT use Methylated Soybean Oil (MSO).
- DO NOT make post applications using sprayable fluid fertilizer as the carrier because severe crop injury may occur.

12.8 Acetochlor 7.0 EC plus Hornet WDG

Only Apply This Tank Mixture to Field Corn

Apply in water or sprayable fluid fertilizer solutions for control of the annual grasses and broadleaf weeds listed in the "WEEDS CONTROLLED" section of this label.

Approved Application Systems
Ground-Broadcast boom; banded

Approved Application Methods

Preplant Surface, Preplant Incorporated Applied
For minimum-tillage or no tillage systems this tank mix may be applied up to 30 days before planting. If weeds are present at the time of treatment, apply in a tank mixture combination with an appropriate contact herbicide. Observe all directions for use, precautions and restrictions on the label of the contact herbicide. During the planting operation, be careful not to move untreated soil to the surface or move treated soil out of the row, as weed control may be reduced.

Preemergence Surface
Apply this tank mixture after planting, before crop and weeds emerge and within 5 days of last preplant tillage operation. Adequate soil moisture is required for optimum herbicidal activity. Precipitation or overhead sprinkler irrigation is required after application to move the herbicide treatment into the weed germination zone.

NOTE: For all soil applications of this tank mixture, corn seeds must be planted 1-1/2 inches or deeper beneath the soil surface.

DO NOT use this tank mixture when Counter™ (terbufos) or Thimet™ (phorate) insecticides are to be applied due to the risk of severe crop injury.

Postemergence Surface
Apply this tank mixture before grasses have reached the 2-leaf stage and the corn is less than 11 inches in height. Applications made to grasses beyond the 2-leaf stage may not provide satisfactory control. Some leaf burn to corn may occur occasionally but subsequent growth or yield should not be affected. Include a non-ionic surfactant at 0.25 percent v/v (1 qt/100 gal) or crop oil concentrate at 1 percent v/v for all postemergence applications. DO NOT make postemergence surface tank mixture applications using sprayable fluid fertilizer as the total carrier because severe crop injury may occur.

This tank mixture may be combined with Accent herbicide at 1/3 or 2/3 ounces per acre to increase control of emerged grasses. Follow all label restrictions and directions.

NOTE: Avoid all direct or indirect contact with nontarget plants. Spray drift of this tank mixture to emerged soybeans or soil to which soybeans will be planted during the same growing season may cause soybean injury.

NOTE: OBSERVE ALL PRECAUTIONS AND LIMITATIONS OF THE Acetochlor 7.0 EC AND HORNET WDG LABELS BEFORE USE OF THIS TANK MIXTURE, INCLUDING PRECAUTIONS ON SOIL RESTRICTIONS, SOIL INSECTICIDES, ROTATIONAL RESTRICTIONS, AND SPRAYER CLEANUP.

Application Rates

BROADCAST RATE PER ACRE*

	LESS THAN 3% ORGANIC MATTER			3% OR MORE ORGANIC MATTER		
SOIL TEXTURAL GROUP	Acetochlor 7.0 EC (pints)	+	HORNET WDG (ounces)	Acetochlor 7.0 EC (pints)	+	HORNET WDG (ounces)
Coarse**	1.25 to 1.75		3.0	1.75		3.0
Medium	1.75 to 2.25		3.0 to 4.0	1.75 to 2.25		3.0 to 4.0
Fine	1.75 to 2.25		3.0 to 4.0	2.25 to 2.75		3.0 to 4.0

*In areas of heavy weed infestation use the higher rates.

**Hornet may be substituted for Hornet WDG at 80% of the rates above.

12.9 Acetochlor 7.0 EC plus Marksman (or generic equivalent such as Range Star)

For use on level or flat-planted field corn on soils with more than 2 percent organic matter.

Apply in water or sprayable fluid fertilizer solutions for control of the annual grasses and broadleaf weeds listed for Acetochlor 7.0 EC plus atrazine in the "WEEDS CONTROLLED" section of this label.

Approved Application Systems
Ground —Broadcast boom; banded

Approved Application Methods

Preemergence Surface
Apply this tank mixture after planting, before crop and weeds emerge and within 5 days of last preplant tillage operation. Corn seeds must be planted 1-1/2 inches or deeper beneath the soil surface. Direct chemical contact with corn seed must be avoided since crop injury may result. Apply far enough behind planter equipment to avoid any incorporation by the planter wheel or other covering device. Do not apply if corn seeds are planted less than 1-1/2 inches beneath the soil surface.

Far Kochia preemergence use only — Marksman may be reduced to 1.0 to 2.0 pints per acre in soils less than 3% organic matter, or 2.0 pints per acre in soils equal to or greater than 3% organic matter. Follow all label restrictions.

Postemergence Surface
Apply this tank mixture before grasses reach the 2-leaf stage and the corn reaches 6 inches in height. Applications made beyond the 2-leaf stage will not provide satisfactory grass control. Some leaf burn to corn may occur occasionally but subsequent growth or yield should not be affected. DO NOT make postemergence surface applications using sprayable fluid fertilizer as the carrier because severe crop injury may occur.

NOTE: PREVENT DRIFT TO SOYBEANS OR OTHER DESIRABLE PLANTS. Do not use on furrow-irrigated corn, or when corn is planted at the bottom of a furrow, utilizing lister, till or other similar planting methods. DO NOT incorporate after planting or corn emergence. If it is necessary to drag for leveling or rotary hoe to break soil crust. DO NOT disturb the soil more than ½ inch deep.

Application Rates

BROADCAST RATE PER ACRE*

	LESS THAN 3% ORGANIC MATTER			3% OR MORE ORGANIC MATTER		
SOIL TEXTURAL GROUP	Acetochlor 7.0 EC (pints)	+	MARKSMAN (pints)	Acetochlor 7.0 EC (pints)	+	MARKSMAN (pints)
Coarse**	1.25 to 1.75		3.5	1.75		3.5
Medium	1.75 to 2.25		3.5	1.75 to 2.25		3.5
Fine	1.75 to 2.25		3.5	2.25 to 2.75		3.5

*Use the higher rate in the recommended ranges in areas of heavy weed infestation.
**On soils with 6 to 10 percent organic matter use 2.5 to 3.4 pints/acre. On soils with more than 10 percent organic matter use 3.4 pints/acre.

12.10 Acetochlor 7.0 EC plus Permit

Apply this tank mixture in water after crop emergence to provide preemergence control of certain grass and broadleaf weeds and postemergence control of broadleaf weeds listed on the Permit herbicide label.

Approved Application Systems
Ground-Broadcast boom, banded

Approved Application Methods

Postemergence Surface
Apply this tank mixture after corn emergence up to 11 inches in height and until weeds reach 3 inches in height. This tank mixture will not provide control of emerged grasses. Addition of Accent to this tank mixture will control of emerged grasses. Some leaf burn to corn may occur occasionally but subsequent growth or yield should not be affected.

Application Rates

BROADCAST RATE PER ACRE

	LESS THAN 3% ORGANIC MATTER			3% OR MORE ORGANIC MATTER		
SOIL TEXTURAL GROUP	Acetochlor 7.0 EC* (pints)	+	PERMIT (ounces)	Acetochlor 7.0 EC* (pints)	+	PERMIT (ounces)
Coarse	1.25 to 1.75		2/3	1.75		2/3
Medium	1.75 to 2.25		2/3	1.75 to 2.25		2/3
Fine	1.75 to 2.25		2/3	2.25 to 2.75		2/3

*Use this higher rate is the recommended ranges in areas of heavy weed infestation.

12.11 Acetochlor 7.0 EC Plus Princep

Apply this tank mixture in water or sprayable fluid fertilizer.

Approved Application Systems
Ground-Broadcast boom; banded
Dry Bulk Fertilizer impregnation

Approved Application Methods

Preplant Incorporated
Apply this tank mixture within 14 days prior to planting and shallowly incorporate or Surface Blend into the upper 1 to 2 inches of soil.

Preemergence Surface
Apply this tank mixture after planting, before crop and weed emergence and within 5 days after last preplant tillage operation.

NOTE: LAND TREATED WITH PRINCEP SHOULD NOT BE PLANTED TO ANY CROP OTHER THAN CORN FOR ONE YEAR FOLLOWING TREATMENT AS CROP INJURY MAY OCCUR. AFTER HARVEST OF TREATED CROP, PLOW AND THOROUGHLY TILL THE SOIL IN THE FALL OR SPRING TO MINIMIZE POSSIBLE INJURY TO SPRING SEEDED ROTATIONAL CROPS.

Application Rates

BROADCAST RATE PER ACRE*

	LESS THAN 3% ORGANIC MATTER			3% OR MORE ORGANIC MATTER		
SOIL TEXTURAL GROUP	Acetochlor 7.0 EC (pints)	+	PRINCEP 4L** (quarts)	Acetochlor 7.0 EC (pints)	+	PRINCEP 4L** (quarts)
Coarse	1.00 to 1.25		1.25 to 2.0	1.25 to 1.75		1.25 to 2.0
Medium	1.25 to 2.25		1.5 to 2.0	1.75 to 2.25		1.5 to 2.0
Fine	1.75 to 2.25		1.5 to 2.0	1.75 to 2.25		1.5 to 2.0

*Use the higher rate in the recommended ranges in areas of heavy weed infestation.
**Use rates listed on this label when using Princep 4L. Use equivalent rates when using Princep 90 percent dry flowable formulations. One quart of Princep 4L equals 1.1 pounds of Princep 90 percent dry flowable.

12.12 Acetochlor 7.0 EC plus Prowl

Apply this tank mixture in water or sprayable fluid fertilizer.

Approved Application Systems
Ground-Broadcast boom, banded
Dry Bulk Fertilizer Impregnation

Approved Application Methods

Preemergence Surface
Apply this tank mixture after planting, before crop and weed emergence and within 5 days after last preplant tillage operation.

DO NOT preplant incorporate this tank mixture as serious crop injury can result.

Application Rates

BROADCAST RATE PER ACRE*

	LESS THAN 3% ORGANIC MATTER			3% OR MORE ORGANIC MATTER		
SOIL TEXTURAL GROUP	Acetochlor 7.0 EC (pints)	+	PROWL** (pints)	Acetochlor 7.0 EC (pints)	+	PROWL** (pints)
Coarse	1.25 to 1.75		1.0	1.50 to 1.75		1.0
Medium	1.50 to 2.25		1.0 to 2.0	1.75 to 2.25		1.0 to 2.0
Fine	1.75 to 2.25		1.0 to 2.0	2.00 to 2.75		1.0 to 2.0

*Use the higher rate in the recommended ranges in areas of heavy weed infestation.
**Use rates listed in this label when using Prowl. Use equivalent rates when using Prowl 3.3 EC. One quart of Prowl equals 1.2 quarts of Prowl 3.3 EC.

12.13 Acetochlor 7.0 EC Plus Pursuit

Apply this tank mixture in water or sprayable fluid fertilizer.

Approved Application Systems
Ground-Broadcast boom; banded

Approved Application Methods

Preplant Incorporated; Preemergence Surface

Postemergence Surface
Apply this tank mixture before weeds reach 3 inches in height and the corn is no more than 11 inches in height. Applications made after weeds are beyond 3 inches in height may not provide satisfactory control. Some leaf burn to corn may occur occasionally but subsequent growth or yield should not be affected. DO NOT make postemergence surface applications using sprayable fluid fertilizer as the carrier because severe crop injury may occur.

NOTE: THIS TANK MIXTURE IS FOR USE ONLY ON SELECTED FIELD CORN HYBRIDS (IMI CORN) WARRANTED BY THE SEED COMPANY TO POSSESS RESISTANCE/TOLERANCE TO DIRECT APPLICATION OF PURSUIT (FOR EXAMPLE: PIONEER IR HYBRIDS), DO NOT APPLY PURSUIT TO CORN HYBRIDS WHICH LACK GENETIC RESISTANCE/TOLERANCE TO PURSUIT HERBICIDE. OBSERVE ALL PRECAUTIONS AND LIMITATIONS ON THE Acetochlor 7.0 EC HERBICIDE AND PURSUIT LABELS BEFORE USE OF THIS TANK MIXTURE INCLUDING PRECAUTIONS ON MINIMUM RECROPPING INTERVAL AND ROTATIONAL GUIDELINES.

Application Rates

BROADCAST RATE PER ACRE*

	LESS THAN 3% ORGANIC MATTER			3% OR MORE ORGANIC MATTER		
SOIL TEXTURAL GROUP	Acetochlor 7.0 EC (pints)	+	PURSUIT (ounces)	Acetochlor 7.0 EC (pints)	+	PURSUIT (ounces)
Coarse	1.00 to 1.25		4	1.25 to 1.75		4
Medium	1.25 to 1.75		4	1.75 to 2.25		4
Fine	1.75 to 2.25		4	1.75 to 2.25		4

*Use the higher rate in the recommended ranges in areas of heavy weed infestation.

12.14 Acetochlor 7.0 EC plus Atrazine plus Prowl

Apply this tank mixture in water or sprayable fluid fertilizer solutions for additional control of triazine-resistant lambsquarters and pigweed in addition to yellow nutsedge and the annual grasses and broadleaf weeds.

Approved Application Systems
Ground-Broadcast boom; banded
Dry Bulk Fertilizer Impregnation
Approved Application Methods

Preemergence Surface
DO NOT preplant incorporate this tank mixture as serious crop injury can result.

The maximum atrazine broadcast application rates for corn:

- If no atrazine was applied prior to corn emergence, apply a maximum of 2 pounds active ingredient per acre broadcast. If a postemergence treatment is required following an earlier herbicide application, the total atrazine applied may not exceed 2.5 pounds active ingredient per acre per calendar year.
- Apply a maximum of 2.0 pounds active ingredient per acre as a single preemergence application on

soils that are not highly erodible or on highly erodible if at least 30 percent of the soil is covered with plant residues, or

- Apply a maximum of 1.6 pounds active ingredient per acre as a single preemergence application on highly erodible soils if <30 percent of the surface is covered with plant residues; or 2.0 pounds active ingredient per acre if only applied postemergence.

CORN, SOYBEANS* OR MILO (SORGHUM) can be planted the year following use of this mixture.

- There is a possibility of injury due to carryover of atrazine if soybeans are planted the following year. DO NOT plant soybeans the year following use of this tank mixture on furrow irrigated corn.

Application Rates

Do not graze treated area or feed treated forage to livestock for 60 days following appl. of this tank mix.

BROADCAST RATE PER ACRE*

	LESS THAN 3% ORGANIC MATTER				
SOIL TEXTURAL GROUP	Acetochlor 7.0 EC (pints)	+	ATRAZINE 4L** (quarts)	+	PROWL** (quarts)
Coarse	1.00 to 1.25		0.75 to 2.0		0.75
Medium	1.25 to 1.75		1.00 to 2.0		0.75 to 1.0
Fine	1.25 to 1.75		1.25 to 2.0		1.00

BROADCAST RATE PER ACRE*

	MORE THAN 3% ORGANIC MATTER				
SOIL TEXTURAL GROUP	Acetochlor 7.0 EC (pints)	+	ATRAZINE 4L** (quarts)	+	PROWL** (quarts)
Coarse	1.25 to 1.75		1.00 to 2.0		0.75 to 1.0
Medium	1.50 to 2.0		1.25 to 2.0		1.0
Fine	1.75 to 2.25		1.25 to 2.0		1.0

*Use the higher rates in the recommended ranges in areas of heavy weed infestation.
**Use rates listed in this label using atrazine 4L and Prowl. Use equivalent rates when using atrazine 90 percent dry flowable and Prowl 3.3 EC formulations. One quart of atrazine 4L equals 1.1 pounds of atrazine 90 percent dry flowable. One quart of Prowl equals 1.2 quarts of Prowl 3.3 EC.

12.15 Acetochlor 7.0 EC Plus Python™ WDG

Only Apply This Tank Mixture To Field Corn.

Apply in water or sprayable fluid fertilizer solutions for control of the annual grasses and broadleaf weeds listed in the "WEEDS CONTROLLED" section of this label.

Approved Application Systems
Ground-Broadcast boom; banded

Approved Application Methods

Preplant Surface Applied
For minimum—tillage or no tillage systems this tank mix may be applied up to 30 days before planting. If weeds are present at me time of treatment, apply in a tank mixture combination with an appropriate contact herbicide. Observe directions for use, precautions and restrictions on the label of the contact herbicide. During the planting operation, be careful not to move untreated soil to the surface or move treated soil out of the row, as weed control may be reduced.

Preemergence Surface

NOTE: For all soil applications of this tank mixture, corn seeds must be planted 1-1/2 inches or deeper beneath

the soil surface.

DO NOT use this tank mixture when Counter (terbufos) or Thimet (phorate) Insecticides are to be applied due to the risk of severe crop injury.

NOTE: Avoid all direct or indirect contact with nontarget plants. Spray drift of this tank mixture to emerged soybeans or soil to which soybeans will be planted during the same growing season may cause soybean injury.

NOTE: OBSERVE ALL PRECAUTIONS AND LIMITATIONS OF Acetochlor 7.0 EC AND PYTHON LABELS BEFORE USE OF THIS TANK MIXTURE, INCLUDING PRECAUTIONS ON SOIL RESTRICTIONS, SOIL INSECTICIDES, ROTATIONAL RESTRICTIONS, AND SPRAYER CLEANUP.

Application Rates

BROADCAST RATE PER ACRE*

	LESS THAN 3% ORGANIC MATTER			3% OR MORE ORGANIC MATTER		
SOIL TEXTURAL GROUP	Acetochlor 7.0 EC (pints)	+	PYTHON WDG (ounces)	Acetochlor 7.0 EC (pints)	+	PYTHON WDG (ounces)
Coarse**	1.25 to 1.75		0.80	1.75		0.89
Medium	1.75 to 2.25		0.89	1.75 to 2.25		1.0
Fine	1.75 to 2.25		0.89	2.25 to 2.75		1.0

*In areas of heavy weed infestation use the higher rates.
**Refer to the "USE RESTRICTIONS" and "GENERAL INFORMATION" sections of this label land PYTHON WDG for restrictions.

13.0 LIMIT OF WARRANTY AND LIABILITY

This Company warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes set forth in the Complete Directions for Use label booklet ("Directions') when used in accordance with those Directions under the conditions described therein. NO OTHER EXPRESS WARRANTY OR IMPLIED WARRANTY OF FITNESS FOR PARTICULAR PURPOSE OR MERCHANTABILITY IS MADE. This warranty is also subject to the conditions and limitations stated herein.

Buyer and all users shall promptly notify this Company of any claims whether based in contract, negligence, strict liability, other tort or otherwise.

Buyer and all users are responsible for all loss or damage from use or handling which results from conditions beyond the control of this Company, including, but not limited to, incompatibility with products other than those set forth in the Directions, unusual weather, weather conditions which are outside the range considered normal at the application site and for the time period when the product is applied, as well as weather conditions which are outside the application ranges set forth in the Directions, application in any manner not explicitly set forth in the Directions, moisture conditions outside the moisture range specified in the Directions, or the presence of products other than those set forth in the Directions in or on the soil, crop or treated vegetation.

This company does not warrant any product reformulated or repack-aged from this product except in accordance with this Company's stewardship requirements and with express written permission from this Company.

THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE LIMIT OF THE LIABILITY OF THIS COMPANY OR ANY OTHER SELLER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT (INCLUDING CLAIMS BASED IN CONTRACT, NEGLIGENCE, STRICT LIABILITY OTHER TORT OR OTHERWISE) SHALL BE THE PURCHASE PRICE PAID BY THE USER OR BUYER FOR THE QUANTITY OF THIS PRODUCT INVOLVED, OR, AT THE ELECTION OF THIS COMPANY OR ANY OTHER SELLER, THE REPLACEMENT OF SUCH QUANTITY, OR, IF NOT ACQUIRED BY PURCHASE, REPLACEMENT OF SUCH QUANTITY IN NO EVENT SHALL THIS COMPANY OR ANY OTHER SELLER BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES.

Buyer and all users are deemed to have accepted the terms of this LIMIT OF WARRANTY AND LIABILITY which may not be varied by any verbal or written agreement.

Roundup is a registered trademark of Monsanto
Accent is a trademark of E.I. duPont de Nemours and Company.
Agsorb is a trademark of Oil Dri Corporation of America, Agricultural Group.
Banvel, Clarity, Contour, Marksman, Prowl, and Resolve are trademarks of BASF, Corporation.
Princep is a trademark of Novartis Finance Corporation.
Pursuit is a trademark of BASF Agrochemical Products B.V.
Gramoxone is a trademark of Zeneca Limited.
Micro-Cel is a trademark of Celite Corporation, c/o World Minerals, Inc.
Permit is a registered trademark of, and used under license from, Nissan Chemical Industries. Ltd.

Please read instructions on reverse before completing form. Form Approved. OMB No. 2070-0060. Approval expires 2-28-95

EPA United States Environmental Protection Agency Washington, DC 20460

[✓] Registration [ ] Amendment [ ] Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number	2. EPA Product Manager	3. Proposed Classification
42750-RNR	J. Tompkins	[ ] None [✓] Restricted
4. Company/Product (Name) Acetochlor 7.0 EC	PM# Team 25	

5. Name and Address of Applicant *(Include ZIP Code)*

Albaugh Inc.
P.O. Box 2127
Valdosta, GA 31604-2127

[ ] *Check if this is a new address*

6. **Expedited Reveiw.** In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to:

EPA Reg. No. _____

Product Name _____

Section - II

[ ] Amendment - Explain below.

[✓] Resubmission in response to Agency letter dated 6/23/05

[ ] Notification - Explain below.

[ ] Final printed labels in repsonse to Agency letter dated _____

[✓] "Me Too" Application.

[ ] Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Updated Data Matrix in response to EPA e-mail request

Section - III

1. Material This Product Will Be Packaged In:

Child-Resistant Packaging	Unit Packaging	Water Soluble Packaging	2. Type of Container
[ ] Yes [✓] No	[ ] Yes [✓] No	[ ] Yes [✓] No	[ ] Metal [✓] Plastic [ ] Glass [ ] Paper [ ] Other (Specify) _____
* *Certification must be submitted*	If "Yes" Unit Packaging wgt. / No. per container	If "Yes" Package wgt / No. per container	

3. Location of Net Contents Information	4. Size(s) Retail Container	5. Location of Label Directions
[✓] Label [ ] Container	2.5 gl, 30 gl, bulk	[✓] On label attached to container

6. Manner in Which Label is Affixed to Product: [✓] Lithograph Paper glued Stenciled [ ] Other _____

Section - IV

1. Contact Point *(Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)*

Name	Title	Telephone No. (Include Area Code)
Morris Gaskins	Registrations Manager	229-244-3288

Certification

I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowlingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

6. Date Application Received **(Stamped)**

2. Signature	3. Title	4. Typed Name	5. Date
Morris Gaskins	Registrations Manager	Morris Gaskins	6/23/05

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Form Approved OMB No. 2070-0060

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W.
WASHINGTON, DC 20460

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DATA MATRIX

Date: 6/23/05		**EPA Reg. No./File Symbol** 42750-~~app~~ RNR	Page 1 of 5
Applicant's/Registrant's Name & Address: Albaugh Inc. 121 NE 18th St. Ankeny, IA 50021		**Product:** ACETOCHLOR 7.0 EC	
Ingredient: Acetochlor CAS # 34256-82-1			

Guideline Reference	Guideline Study Name	MRID Number	Submitter	Status	Note
830.1550	Product Identity and Composition	46432902	Albaugh	OWN	
830.1600	Description of Materials Used to Produce the	46432902	Albaugh	OWN	
830.1620	Description of Product Process				Waiver[2]
830.1650	Description of Formulation Process	46432902	Albaugh	OWN	
830.1670	Description of Formation of Impurities	46432902	Albaugh	OWN	
830.1700	Preliminary Analysis				Not req'd[1]
830.1750	Certified Limits	46432902	Albaugh	OWN	
830.1800	Enforcement Analytical Method	46432902	Albaugh	OWN	
830.6302	Color	46432903	Albaugh	OWN	
830.6303	Physical State	46432903	Albaugh	OWN	
830.6304	Odor	46432903	Albaugh	OWN	
830.6313	Stability to Normal and Elevated Temperatures, Metals, and Metal Ions				Not req'd[1]
830.6314	Oxidation/Reduction: Chemical Incompatibility	46432903	Albaugh	OWN	
830.6315	Flammability	46432903	Albaugh	OWN	
830.6316	Explodability				Waiver[3]
830.6317	Storage Stability				In progress[4]

Signature Morris Gaskins		**Name and Title:** Morris Gaskins Registrations Manager	**Date** 6/23/05

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DATA MATRIX

Date: 6/23/05	**EPA Reg. No./File Symbol** 42750-~~app~~ RNR	Page 1 of 5
Applicant's/Registrant's Name & Address: Albaugh Inc. 121 NE 18th St. Ankeny, IA 50021	**Product:** ACETOCHLOR 7.0 EC	

Ingredient: Acetochlor CAS # 34256-82-1

Guideline Reference	Guideline Study Name	MRID Number	Submitter	Status	Note
830.1550	Product Identity and Composition	46432902	Albaugh	OWN	
830.1600	Description of Materials Used to Produce the	46432902	Albaugh	OWN	
830.1620	Description of Product Process				Waiver[2]
830.1650	Description of Formulation Process	46432902	Albaugh	OWN	
830.1670	Description of Formation of Impurities	46432902	Albaugh	OWN	
830.1700	Preliminary Analysis				Not req'd[1]
830.1750	Certified Limits	46432902	Albaugh	OWN	
830.1800	Enforcement Analytical Method	46432902	Albaugh	OWN	
830.6302	Color	46432903	Albaugh	OWN	
830.6303	Physical State	46432903	Albaugh	OWN	
830.6304	Odor	46432903	Albaugh	OWN	
830.6313	Stability to Normal and Elevated Temperatures, Metals, and Metal Ions				Not req'd[1]
830.6314	Oxidation/Reduction: Chemical Incompatibility	46432903	Albaugh	OWN	
830.6315	Flammability	46432903	Albaugh	OWN	
830.6316	Explodability				Waiver[3]
830.6317	Storage Stability				In progress[4]

Signature Morris Gaskins	**Name and Title:** Morris Gaskins Registrations Manager	**Date** 6/23/05

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DATA MATRIX

Date: 6/23/05	**EPA Reg. No./File Symbol** 42750-~~appl~~ RNR	Page 2 of 5
Applicant's/Registrant's Name & Address: Albaugh Inc. 121 NE 18th St. Ankeny, IA 50021	**Product:** ACETOCHLOR 7.0 EC	

Ingredient: Acetochlor CAS # 34256-82-1

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.6319	Miscibility				Waiver[5]
830.6320	Corrosion Characteristics				In progress[4]
830.6321	Dielectric Breakdown Voltage				Waiver[5]
830.7000	pH	46432903	Albaugh	OWN	
830.7050	UV/Visible Absorption				Not req'd[1]
830.7100	Viscosity	46432903	Albaugh	OWN	
830.7200	Melting Point/Melting Range				Not req'd[1]
830.7220	Boiling Point/Boiling Range				Not req'd[1]
830.7300	Density/Relative Density/Bulk Density	46432903	Albaugh	OWN	
830.7370	Dissociation Constants in Water				Not req'd[1]
830.7550	Partition Coefficient (n-octanol/water), Shake Flask Method				Not req'd[1]
830.7560	Partition Coefficient (n-octanol/water), Generator Column Method				Not req'd[1]
830.7570	Partition Coefficient (n-octanol/water), Estimation by Liquid Chromatography				Not req'd[1]

Signature Morris Gaskins	**Name and Title:** Morris Gaskins Registrations Manager	**Date** 6/23/05

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DATA MATRIX

Date: 6/23/05 | **EPA Reg. No./File Symbol** 42750-~~appl~~ RNR | Page 3 of 5

Applicant's/Registrant's Name & Address: Albaugh Inc.
121 NE 18th St.
Ankeny, IA 50021

Product: ACETOCHLOR 7.0 EC

Ingredient: Acetochlor CAS # 34256-82-1

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.7840	Water Solubility: Column Elution Method; Shake Flask Method				Not req'd[1]
830.7860	Water Solubility, Generator Column Method				Not req'd[1]
830.7950	Vapor Pressure				Not req'd[1]
870.1100	Acute Oral Toxicity – Rat	42940001	Monsanto (524)	PAY	
870.1200	Acute Dermal Toxicity - Rat	42940002	Monsanto (524)	PAY	
870.1300	Acute Inhalation Toxicity - Rat	42940003	Monsanto (524)	PAY	
870.2400	Primary Eye Irritation - Rabbit	42940004	Monsanto (524)	PAY	
870.2500	Primary Dermal Irritation	42940005	Monsanto (524)	PAY	
870.2600	Dermal Sensitization	42940006	Monsanto (524)	PAY	

Signature | **Name and Title:** Morris Gaskins, Registrations Manager | **Date** 6/23/05

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DATA MATRIX

Date: 6/23/05

EPA Reg. No./File Symbol 42750-~~RNP~~ RNR

Applicant's/Registrant's Name & Address: Albaugh Inc.
121 NE 18th St.
Ankeny, IA 50021

Product: ACETOCHLOR 7.0 EC

Ingredient: Acetochlor CAS # 34256-82-1

Guideline Reference Number	Guideline Study Name	MRID	Submitter (EPA Co. No.)	Status	Note
Acetochlor generic data requirements					
Albaugh satisfies the generic data requirements for Acetochlor under Formulator's Exemption					

Signature Morris Gaskins

Name and Title: Morris Gaskins
Registrations Manager

Date 6/23/05

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Footnotes for ACETOCHLOR 7.0 EC Data Matrix
(page 5)

Footnote 1
- 830.1700 Preliminary Analysis
- 830.6313 Stability to Normal and Elevated Temperature, Metals, and Metal Ions
- 830.7050 UV/Visible absorption
- 830.7200 Melting Point/Range
- 830.7220 Boiling Point/Range
- 830.7370 Dissociation Constants in Water
- 830.7550 Partition coefficient
- 830.7560 Partition coefficient
- 830.7570 Partition coefficient
- 830.7840 Water solubility
- 830.7860 Water solubility
- 830.7950 Vapor Pressure

This data is not required for end use products per Product Properties Test Guidelines OPPTS 830.1000 (e)(2)(xi)(B) Table 2

Footnote 2
- 830.1620 Production Process . Albaugh requests a waiver for this data requirement. ACETOCHLOR 7.0 EC product is formulated. See Guideline 830.1650.

Footnote 3
- 830.6316 Explodability. Albaugh requests a waiver for this data requirement. ACETOCHLOR 7.0 EC product is not composed of explosive components and therefore does not exhibit explosive characteristics.

Footnote 4
- 830.6317 Storage stability
- 830.6320 Corrosion characteristics

Albaugh is currently conducting combined testing for these guidelines as allowed by OPPTS Product Properties Test Guidelines. Albaugh will submit these studies upon completion of the Storage Stability one year after initiation and requests that a conditional registration be granted prior to submission of the data.

Footnote 5
- 830.6319 Miscibility. Albaugh requests a waiver for this data requirement. ACETOCHLOR 7.0 EC is not intended to be diluted with oil or other non-polar solvents.

Footnote 6
- 830.6321 Dielectric breakdown voltage. Albaugh requests a waiver for this data requirement. ACETOCHLOR 7.0 EC is not labeled or intended for use around electrical equipment.

Hope
Johnson/DC/USEPA/US
06/23/2005 12:04 PM

To morrisg@albaughinc.com
cc
bcc
Subject Pending Registration 42750-RNR

Mr. Gaskins-

I am currently reviewing your pending application from Acetochlor 7.0 EC (42750-RNR). The current Data matrix I have on file does not list the MRIDs that were assigned to the studies you sent in with the original application (obviously because they weren't assigned MRIDs yet). Could you please revise the data matrix and send me an updated copy? I appreciate it.

Thanks!
Hope

Hope A. Johnson
U.S. Environmental Protection Agency
Office of Pesticide Programs
Registration Division
Herbicide Branch
Phone: 703-305-5410
Fax: 703-308-1825
7505C

DATE OUT: 13/JUN/2005

SUBJECT: **FEE.PRODUCT CHEMISTRY REVIEW OF MP [ ] EP [X]**
DP BARCODE No.:D312058 **REG./File Symbol No.:** 42750-RNR
PRODUCT NAME: Acetochlor 7.0 EC
PCC:121601; **Decision No.:** 352311 ; **FOOD USE [X]**
INTEGRATED FORMULATION: Yes [ ] NO [X]

FROM: Shyam Mathur,
Product Chemistry Team Leader
Technical Review Branch/RD (7505C)

S Mathur 6-13-05

TO: Hope Johnson / James Tompkins, RM 25
Herbicide Branch/RD(7505C)

INTRODUCTION:

The registrant has submitted product chemistry data to support the registration of the end-use product "Acetochlor 7.0 EC". The registrant has submitted the product chemistry data under MRID Nos. 464329-01 thru 464329-03. The registrant has also provided the CSF for basic formulation (dated 12-20-04) and the product label. The registrant has claimed that the proposed product is substantially similar to the registered product with Reg. No. 524-473. TRB has been asked to review the product chemistry data submitted and determine its similarity to the registered product.

SUMMARY OF FINDINGS

1. The subject product contains [redacted] as the active ingredient with product label claim of 74.8%.

2. The CSF for basic formulation (dated 12-20-04) is filled out correctly and completely. It is in compliance with PR Notice 91-2 and agree with the label claim nominal concentration. The data submitted corresponding to the guideline reference 830.1550 (product Identity & composition) and 830.1750 (certified limits) satisfy the data requirements of 40CFR§158.155 and 158.175 respectively [MRID No. 464329-02].

3. The data submitted corresponding to the guideline reference 830.1600 (description of materials used to produce the product), 830.1650 (description of formulation process)and 830.1670 (discussion on the formation of impurities) satisfy the data requirements of 40CFR158.160, 158.165 and 158.167 respectively [MRID No. 464329-02].

4. The data submitted corresponding to the guideline reference 830.1800 (enforcement of analytical method) satisfy the data requirements of 40CFR§158.180. The GLC-FID with internal standard method was used for the determination of the active ingredient Acetochlor in the end use product [MRID No. 464329-02].

5. The data submitted corresponding to guideline reference color (830.6302), odor (830.6304), Physical state(830.6303), density (830.7300), pH (830.7000), Oxidation/Reduction (830.6314), Flammability (830.6315), Explodability (830.6316), Viscosity (830.7100), Miscibility(830.6319), and Dielectric breakdown voltage (830.6321) satisfy the data requirements of 40CFR§158.190 [MRID No. 464329-01 & 464329-03].

6. The registrant has stated that studies corresponding to guidelines 830.6317 (one year storage stability) and 830.6320 (corrosion characteristics) are in progress and the results will be submitted on completion [MRID No. 464329-01 & 464329-03].

Product ingredient source information may be entitled to confidential treatment

DP BARCODE No.:D312058 **REG./File Symbol No.:** 42750-RNR **PRODUCT NAME:** Acetochlor 7.0 EC

CONCLUSIONS:

The TRB has reviewed the product chemistry data submitted for the end-use product and has concluded that:

1. The product chemistry data submitted corresponding to guideline reference 830 Series Subgroup A and Subgroup B (physical/chemical properties) satisfy the data requirements of 40CFR§158.150 to 158.190 and are acceptable.

2. The CSF for basic formulation (dated 12-20-04) is acceptable.
Note: The Tolerance for one safener will expire in December 2005 (40CFR§180.469). Refer to Confidential Appendix.

3. The registrant must submit the results of one year storage stability (830.6317) and corrosion characteristics (830.6320) studies to the Agency when completed.

4. The proposed end-use product with File Symbol No. 42750-RNR was determined to be substantially similar to the registered product with Reg. No. 524-473 from product chemistry point of view.

DP BARCODE No.: D312058 **REG./File Symbol No.:** 42750-RNR **PRODUCT NAME:** Acetochlor 7.0 EC

PRODUCT CHEMISTRY DATA (SERIES 830 Subgroup A & Subgroup B)

Subgroup A	Data Required Fulfilled	MRID No.
830.1550. Chemical Identity (basic CSF)	A	12-20-04
830.1600. Beginning Materials	A	464329-02
830.1650. Formulation Process	A	" " "
830.1670. Discussion of Impurities	A	" " "
830.1700. Preliminary Analysis	NA	
830.1750. Certified Limits (basic CSF)	A	12-20-04
830.1800. Enforcement Analytical Method	A	464329-02

Subgroup B	Data Required Fulfilled	Value or Qualitat. Descrip.	MRID No.
830.6302. Color	A	Dark amber	464329-01 464329-03
830.6303. Physical State	A	Clear liquid	" " "
830.6304. Odor	A	Paint like	" " "
830.6314. Oxidation/Reduction Action	A	not compatible with $KMnO_4$	" " "
830.6315. Flammability	A	192.74°F	" " "
830.6316. Explodability	A	Non-explosive	" " "
830.6317. Storage stability	I	1 yr in progress	" " "
830.6319. Miscibility	NA		
830.6320. Corrosion Characteristics	I	in progress	464329-03
830.6321. Dielec. Bkd. Vltg.	NA		
830.7000. pH	A	4.49	464329-03 464329-01
830.7100. Viscosity	A 20°C 40°C	37.48 cSt 14.56 cSt	" " "
830.7000. Density/Bulk Density	A	1.088 gm/ml @20°C	" " "

Explanations: A = The Requirements Were Fulfilled; N = The Requirements Were Not Fulfilled; NA = Not Applicable; G = Data Gap; U = Requires Upgrading; I = Incomplete or In Progress; W = Waived.

DP BARCODE No.:D312058 **REG./File Symbol No.:** 42750-RNR **PRODUCT NAME:** Acetochlor 7.0 EC

830.1800. Enforcement analytical method : (MRID No. 464329-02)

The GC-FID with internal standard was used for the determination of the acetochlor in the proposed end use product.

Parameters & operating conditions:

GC: Any suitable machine equipped with FID

Detector: FID

Column: HP-5 MS, 30 m x 0.25 mm ID; 0.25 µm particle size.

Column temperature: 120°C to 250°C (@ 10°C / min)

Inlet temperature: 250°C

Detector temperature: 250°C

Injection volume: 1 µL

Nitrogen flow rate: 1.0 ml/min

Injection mode: Split

Split ratio: 15 : 1

Internal standard: Benzyl benzoate

Retention times: Acetochlor - 10.8 min; Benzyl benzoate - 9.5 min

Inert ingredient information may be entitled to confidential treatment

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES
AND
TOXIC SUBSTANCES

TECHNICAL REVIEW BRANCH
SIMILARITY CLINIC DETERMINATION

02/FEB/2005

MEMORANDUM

Subject:	Name of Pesticide Product:	Acetochlor 7.0 EC
	EPA Reg. No. /File Symbol:	42750-RNR
	DP Barcode:	D312059
	Decision No:	352311
	PC Code:	121601
From:	Eugenia McAndrew, Biologist Technical Review Branch Registration Division (7505C)	
To:	Hope Johnson, RM Team 25 Herbicide Branch Registration Division (7505C)	
Applicant:	Albaugh, Inc. 121 NE 18th Street Ankeny, IA 50021	

FORMULATION FROM LABEL:

	Active Ingredient(s):	% by wt.
121601	Acetochlor	74.8
	Inert Ingredient(s):	25.0
	Total:	100.0%

ACTION REQUESTED: Similarity action requested between Harness Herbicde, EPA Reg. No. 524-473, and Acetochlor 7.0 EC, EPA File Symbol 42750-RNR.

BACKGROUND: Albaugh, Inc. has applied for registration of Acetochlor 7.0 EC, EPA File Symbol 42750-RNR, claiming similarity to Harness Herbicde, EPA Reg. No. 524-473. Both products contain 74.8% acetochlor as the active ingredient. The acute toxicity data submitted for the cited product (MRID 429400-01 to -06) were reviewed in a previous Agency memo (Markarian; EPA Reg. No. 524-473; 05/APR/1994).

RECOMMENDATIONS: We have evaluated the formulations of the proposed product, 42750-RNR, and the cited product, 524-473, and have determined that they are substantially similar. The acute toxicity data referenced above may be used to support registration of the new product.

The acute toxicity profile for Acetochlor 7.0 EC, EPA File Symbol 42750-RNR, is as follows:

acute oral toxicity	III	Cited/Acceptable	MRID 42940001
acute dermal toxicity	IV	Cited/Acceptable	MRID 42940002
acute inhalation toxicity	III	Cited/Acceptable	MRID 42940003
primary eye irritation	II	Cited/Acceptable	MRID 42940004
primary skin irritation	II	Cited/Acceptable	MRID 42940005
dermal sensitization	--	Cited/Supplementary	MRID 42940006 [a]

[a] This study was classified as supplementary but upgradable upon submission of additional data in the 1994 review. There is no indication in Agency files that any further information was submitted. However, the cited product was registered with the precautionary statement for skin sensitization on the label. The label for the proposed product should therefore have the same statement regarding skin sensitization.

LABELING: Based on the toxicity profile above, the following are the precautionary and first aid statements for this product as obtained from the Label Review System.

PRODUCT ID #: 042750-00101

PRODUCT NAME: Acetochlor 7.0 EC

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals:

SIGNAL WORD: WARNING

SPANISH SIGNAL WORD: AVISO
Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
(If you do not understand the label, find someone to explain it to you in detail.)

Contains Petroleum Distillate.

Causes skin irritation. Causes substantial but temporary eye injury. Harmful if inhaled. Harmful if swallowed. Do not get on skin, clothing or in eyes. Avoid breathing spray mist. Wear long-sleeved shirt and long pants, socks, chemical-resistant footwear. Wear protective eyewear (goggles, face shield, or safety glasses).

Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Follow the manufacturer\'s instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry. When mixing and loading wear a chemical resistant apron.

First Aid:

If on skin:
-Take off contaminated clothing.
-Rinse skin immediately with plenty of water for 15-20 minutes.
-Call a poison control center or doctor for treatment advice.

If in eyes:
-Hold eye open and rinse slowly and gently with water for 15-20 minutes.
-Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.
-Call a poison control center or doctor for treatment advice.

If inhaled:
-Move the person to fresh air.
-If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.
-Call a poison control center or doctor for further treatment advice.

If swallowed:
-Call a poison control center or doctor immediately for treatment advice.
-Do not induce vomiting unless told to by a poison control center or doctor.
-Do not give any liquid to the person.
-Do not give anything by mouth to an unconscious person.

NOTE TO PHYSICIAN: May pose an aspiration pneumonia hazard. Contains petroleum distillate.

User Safety Recommendations:

Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-800-xxx-xxxx for emergency medical treatment information.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

December 29, 2004

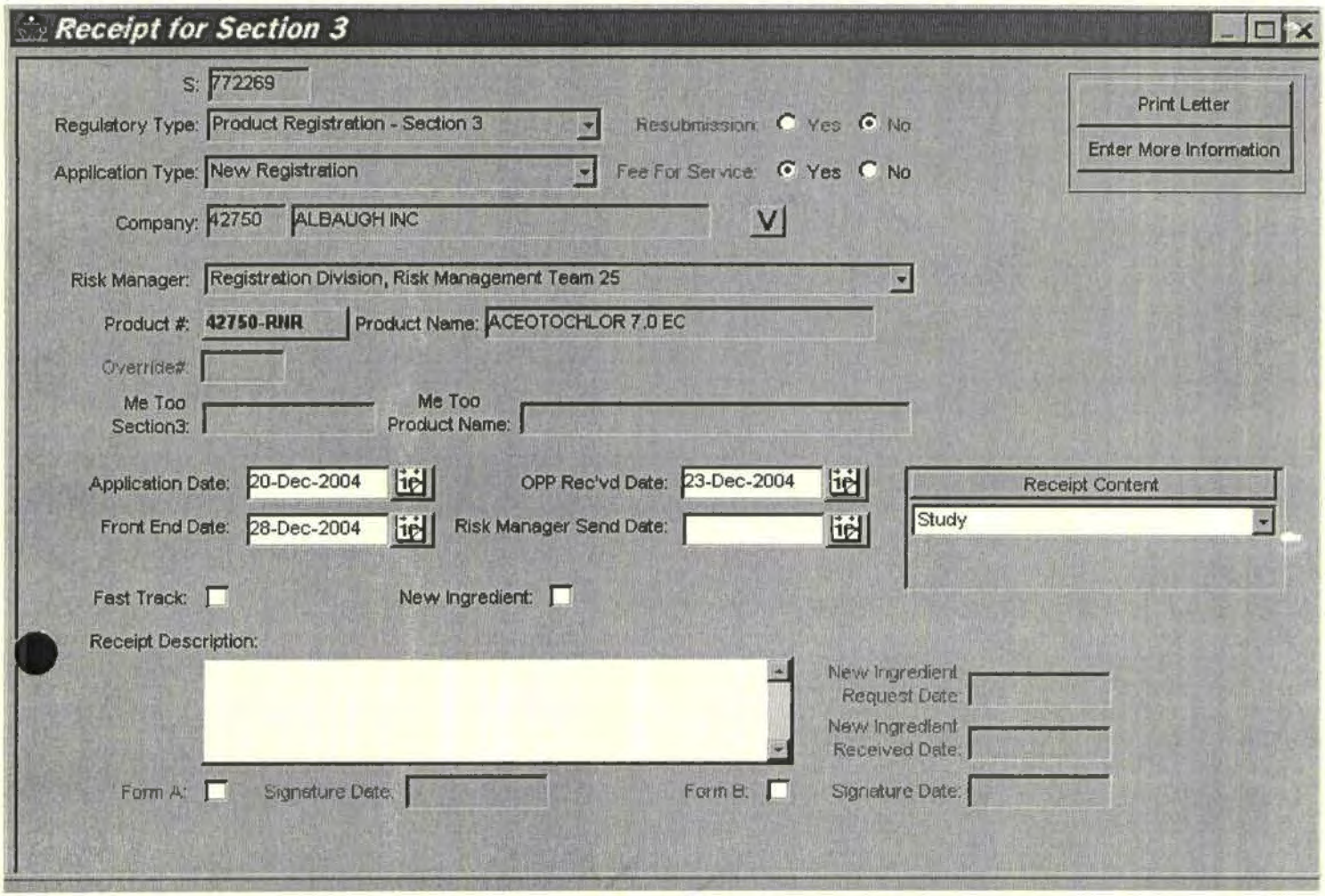
OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

ALBAUGH INC
PO Box 2127
VALDOSTA, GA 31604-2127

Report of Analysis for Compliance with PR Notice 86-5

Thank you for your submittal of 23-DEC-04. Our staff has completed a preliminary analysis of the material. The results are provided as follows:

Your submittal was found to be in full compliance with the standards for submission of data contained in PR Notice 86-5. A copy of your bibliography is enclosed, annotated with Master Record ID's (MRIDs) assigned to each document submitted. Please use these numbers in all future references to these documents. Thank you for your cooperation. If you have any questions concerning this data submission, please raise them with the cognizant Product Manager, to whom the data have been released.


Receipt for Section 3
S: 772269
Regulatory Type: Product Registration - Section 3
Resubmission: Yes No
Application Type: New Registration
Fee For Service: Yes No
Company: 42750 ALBAUGH INC
Print Letter
Enter More Information
Risk Manager: Registration Division, Risk Management Team 25
Product #: 42750-RNR
Product Name: ACEOTOCHLOR 7.0 EC
Override#:
Me Too Section3:
Me Too Product Name:
Application Date: 20-Dec-2004
OPP Rec'vd Date: 23-Dec-2004
Front End Date: 28-Dec-2004
Risk Manager Send Date:
Receipt Content
Study
Fast Track:
New Ingredient:
Receipt Description:
New Ingredient Request Date:
New Ingredient Received Date:
Form A:
Signature Date:
Form B:
Signature Date:

CORPORATE OFFICE
121 NE 18th Street
Ankeny, IA 50021
515.964.9444 (Phone)
800.247.8013 (Toll Free)
515.964.7813 (Fax)

ALBAUGH, INC.

MEMPHIS OFFICE
1910 Exeter Road, Ste. 1
Memphis, TN 38138-2971
901.309.8122 (Phone)
901.309.8532 (Fax)

464329-00

FEDERAL EXPRESS

December 20, 2004

Document Processing Desk (REGFEE)
Mr. Jim Tompkins (PM 25)
Registration Division
Office of Pesticide Programs (7504C)
U.S. Environmental Protection Agency
Crystal Mall 2, Room 266A
1801 S. Bell Street
Arlington, VA 22202

RE: Acetochlor 7.0 EC
Initial application

Dear Mr. Tompkins,

The enclosed submission is Albaugh's initial application to register the above referenced product. Documents enclosed to support this application are detailed on the enclosed transmittal page.

This application is being submitted as a "me too" of Monsanto's Harness (EPA Reg. No. 524-473) as stamped approved by the Agency on November 3, 2004. Albaugh believes this application should be classified as a R31 – New product, non-fast track with a $4,000 fee and 10 month response time.

Please call if you have any questions.

Regards,

Morris Gaskins
Registrations Manager
Albaugh, Inc.
229-244-3288

TRANSMITTAL DOCUMENT

Name and address of submitter:

Albaugh, Inc.
P.O. Box 2127
Valdosta, GA 31604-2127

Company Official: Morris Gaskins

Telephone: (229) 244-3288

Regulatory action for which this package is submitted:

Initial application to register ACETOCHLOR 7.0 EC

Transmittal Date: December 20, 2004

List of items submitted:

- Transmittal page
- Cover letter
- 8570-1 application form
- 8570-34 Certification With Respect to Citation of Data form
- 8570-35 Data Matrix (internal use copy)
- 8570-35 Data Matrix (public file copy)
- 8570-27 Formulators Exemption
- Draft label (5 copies)
- Basic CSF (2 copies)

46432901 • Summary of OPPTS 830.1000 Series Product Properties Test Guidelines (3 copies)

46432902 • Guidelines 830.1550, 830.1600, 830.1650, 830.1670, 830.1750, 830.1800. Product Identity and Composition, Description of Materials Used to Produce the Product, Description of Formulation Process, Discussion of Formation of Impurities and Certified Limits (3 copies)

46432903 • Guidelines 830.6302, 830.6303, 830.6304, 830.6314, 830.6315, 830.7000, 830.7100, 830.7300. Physical and Chemical Characteristics (3 copies)

Fee for Service

This package includes the following	for Division
X New Registration	X RD
☐ Amendment	☐ AD
☐ Waiver Request	☐ BPPD
☐ Voluntary Payment Request	

Receipt Nos. S- 772269

Product/Risk Manager: 25

EPA File Symbol/Reg. No. 42750-RNR

Pin-Punch Date: 12/23/04

Action Code:

Requested: R31

Granted: R31 Amount due: $ 4000

VolPay Reduction:

Original Decision #:

____% D-_____

Parent/Child Decisions:

Reviewer: JHH. Date: 12/29/04.

Remarks:

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

December 29, 2004

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

PLEASE RETURN A COPY OF THIS LETTER WITH PAYMENT

OPP Decision Number: D-352311
EPA File Symbol or Registration Number: 42750-RNR
Product Name: ACEOTOCHLOR 7.0 EC
EPA Receipt Date: 23-Dec-2004
EPA Company Number: 42750
Company Name: ALBAUGH INC

MORRIS GASKINS
ALBAUGH, INC
ALBAUGH INC
PO Box 2127
VALDOSTA, GA 31604-2127

SUBJECT: Receipt of Registration Application Subject to Registration Service Fee

Dear Registrant:

The Office of Pesticide Programs has received your application for registration. If you submitted data with this application, the results of the PRN-86-5 screen will be communicated separately. During the administrative screen, the Office of Pesticide Programs has determined that this Action is subject to a Pesticide Registration Service Fee as defined in the Pesticide Registration Improvement Act.

The Action has been identified as Action Code: R31

NEW PRODUCT;NON-FAST TRACK (INCLUDES REVIEWS OF PRODUCT CHEMISTRY;ACUTE TOXICITY;PUBLIC HEALTH PEST EFFICACY);

Please remit payment in the amount of: $ 4,000 to:

By USPS:
USEPA Washington Finance Center
Pesticide Registration Service Fee
PO Box 360277
Pittsburgh, PA 15251

By Courier:
U.S. EPA Washington Finance Center
Pesticide Registration Service Fee
C/O Mellon Client Service Center
500 Ross Street, Room 670
Box 360277
Pittsburgh, PA 15251-6277
Attn: EPA Module Supervisor
Telephone: (412) 236-2294

All payments must be in United States currency by check, bank draft, or money order drawn to the order of the Environmental Protection Agency. To ensure proper credit, please write the OPP DECISION NUMBER on your check, and enclose a copy of this letter with your payment.

You may be eligible for a full or partial waiver of the registration service fee if, for example, you qualify as a small business or are applying for a minor use, or if your application is solely associated with an IR-4 tolerance petition. Please be advised that if you intend to request a waiver, you must do so in writing within 15 days of receipt of this invoice instead of remitting the amount indicated above. OPP will not consider waiver requests after the registration service fee has been paid. Information regarding eligibility and how th request and document a fee waiver is available on the OPP Fee for Service web site at www.epa.gov/pesticides/fees.

If you have any questions, please contact the Pesticide Registration Service Fee Ombudsman at (703) 305-6249.

Sincerely,

Front End Processing Staff
Information Resources and Services Division

CORPORATE OFFICE
121 NE 18th Street
Ankeny, IA 50021
515.964.9444 (Phone)
800.247.8013 (Toll Free)
515.964.7813 (Fax)

ALBAUGH, INC.

MEMPHIS OFFICE
1910 Exeter Road, Ste. 1
Memphis, TN 38138-2971
901.309.8122 (Phone)
901.309.8532 (Fax)

FEDERAL EXPRESS

December 20, 2004

Document Processing Desk (REGFEE)
Mr. Jim Tompkins (PM 25)
Registration Division
Office of Pesticide Programs (7504C)
U.S. Environmental Protection Agency
Crystal Mall 2, Room 266A
1801 S. Bell Street
Arlington, VA 22202

RE: Acetochlor 7.0 EC
Initial application

Dear Mr. Tompkins,

The enclosed submission is Albaugh's initial application to register the above referenced product. Documents enclosed to support this application are detailed on the enclosed transmittal page.

This application is being submitted as a "me too" of Monsanto's Harness (EPA Reg. No. 524-473) as stamped approved by the Agency on November 3, 2004. Albaugh believes this application should be classified as a R31 – New product, non-fast track with a $4,000 fee and 10 month response time.

Please call if you have any questions.

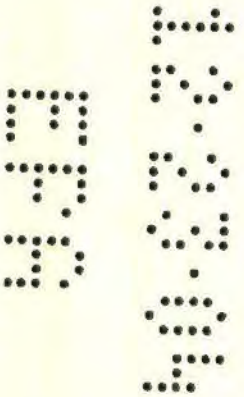
Regards,

Morris Gaskins
Registrations Manager
Albaugh, Inc.
229-244-3288

TRANSMITTAL DOCUMENT

Name and address of submitter:

Albaugh, Inc.
P.O. Box 2127
Valdosta, GA 31604-2127



Company Official: Morris Gaskins

Telephone: (229) 244-3288

Regulatory action for which this package is submitted:

Initial application to register ACETOCHLOR 7.0 EC

Transmittal Date: December 20, 2004

List of items submitted:

- Transmittal page
- Cover letter
- 8570-1 application form
- 8570-34 Certification With Respect to Citation of Data form
- 8570-35 Data Matrix (internal use copy)
- 8570-35 Data Matrix (public file copy)
- 8570-27 Formulators Exemption
- Draft label (5 copies)
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- Summary of OPPTS 830.1000 Series Product Properties Test Guidelines (3 copies)

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- Guidelines 830.6302, 830.6303, 830.6304, 830.6314, 830.6315, 830.7000, 830.7100, 830.7300. Physical and Chemical Characteristics (3 copies)

Please read instructions on reverse before completing form. Form Approved. OMB No. 2070-0060. Approval expires 2-28-95

United States
Environmental Protection Agency
Washington, DC 20460

☑ Registration ☐ Amendment ☐ Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number: 42750-XX RNR
2. EPA Product Manager: J. Tompkins
3. Proposed Classification: ☑ None ☐ Restricted
4. Company/Product (Name): Aceotochlor 7.0 EC
PM#: 25
5. Name and Address of Applicant *(Include ZIP Code)*:
Albaugh, Inc.
P.O. Box 2127
Valdosta, GA 31604-2127
☐ *Check if this is a new address*
6. **Expedited Reveiw.** In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to:
EPA Reg. No. 524-473
Product Name Harness Herbicide

Section - II

● Amendment - Explain below.
☐ Resubmission in response to Agency letter dated _____
☐ Notification - Explain below.
☐ Final printed labels in repsonse to Agency letter dated _____
☑ "Me Too" Application.
☐ Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

This application is being submitted under the PRIA Fee for Service program as a Class R31 New Product - Non-Fast Track application.

Accordingly, registrant believes the appropriate fee for this application is $4,000 with 8 month decision timeline.

Please forward invoice to 1-229-244-5841 (fax) and/or e-mail to morrisg@albaughinc.com

Section - III

1. **Material This Product Will Be Packaged In:**

Child-Resistant Packaging	Unit Packaging	Water Soluble Packaging	2. Type of Container
● ☐ Yes ☑ No	☐ Yes ☑ No	☐ Yes ☑ No	☐ Metal ☑ Plastic ☐ Glass ☐ Paper ☐ Other (Specify)
* *Certification must be submitted*	If "Yes" Unit Packaging wgt. / No. per container	If "Yes" Package wgt / No. per container	

3. Location of Net Contents Information: ☑ Label ☐ Container
4. Size(s) Retail Container: 2.5 gallon
5. Location of Label Directions: ☑ On label attached to container
6. Manner in Which Label is Affixed to Product: ☑ Lithograph / Paper glued / Stenciled ☐ Other _____

Section - IV

1. Contact Point *(Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)*

Name	Title	Telephone No. (Include Area Code)
Morris Gaskins	Registrations Manager	229-244-3288

Certification

I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowlingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

6. Date Application Received (Stamped)

2. Signature	3. Title	4. Typed Name	5. Date
Morris Gaskins	Registrations Manager	Morris Gaskins	12/20/04

EPA Form 8570-1 (Rev. 3-94) Previous editions are obsolete. White - EPA File Copy (original) Yellow - Applicant Copy

Form Approved. OMB No. 2070-0060. Approval Expires 5-31-98.

United States
Environmental Protection Agency
Washington, DC 20460

Formulator's Exemption Statement

(40 CFR 152.85)

Applicant's Name and Address	EPA File Symbol/Registration Number
Albaugh Inc. 121 NE 18th St. Ankeny, IA 50021	42750-xx
	Product Name Acetochlor 7.0 EC
	Date of Confidential Statement of Formula *(EPA Form 8570-4)* December 15, 2004

As an authorized representative of the applicant for registration of the product identified above, I certify that:

(1) This product contains the following active ingredient(s):

Acetochlor

(2) Of these, each active ingredient listed in paragraph (4) is present solely as the result of the use of that active ingredient in the manufacturing, formulation or repackaging another product which contains that active ingredient which is registered under FIFRA Section 3, is purchased by us from another producer, and is labeled for at least each use for which my product is proposed to be labeled.

(3) Indicate by checking (A) or (B) below which paragraph applies:

☒ (A) An accurate Confidential Statement of Formula *(EPA FORM 8570-4)* for the above identified product is attached to this statement. That formula statement indicates, by company name, registration number, and product name, the source of the active ingredient(s) listed in paragraph (1).

OR

☐ (B) The Confidential Statement of Formula (CSF) (EPA Form 8570-4) referenced above and on file with the EPA is complete, current, and accurate and contains the information required on the current CSF.

(4) The following active ingredients in this product qualify for the formulator's exemption.

Source

Active Ingredient	Product Name	Registration Number
acetochlor	[redacted]	[redacted]

Product ingredient source information may be entitled to confidential treatment

Signature	Name and Title	Date
[signature]	Morris Gaskins Registrations Manager	12/20/04

EPA Form 8570-27 (Rev. 8-95)

White - EPA copy
Yellow - Applicant copy

★ U.S. GPO: 1995-388-620/20413

Form Approved OMB No. 2070-0060

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W.
WASHINGTON, D.C. 20460

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Certification with Respect to Citation of Data

Applicant's/Registrant's Name, Address, and Telephone Number	EPA Registration Number/File Symbol
Albaugh, Inc. 121 NE 18th St. Ankeny, IA 50021 800-247-8013	42750-xx-101
Active Ingredient(s) and/or representative test compound(s) acetochlor	Date
General Use Pattern(s) (list all those claimed for this product using 40 CFR Part 158) corn	Product Name Acetochlor 7.0 EC

NOTE: If your product is a 100% repackaging of another purchased EPA-registered product labeled for all the same uses on your label, you do not need to submit this form. You must submit the Formulator's Exemption Statement (EPA Form 8570-27).

☐ I am responding to a Data-Call-In Notice, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

SECTION I: METHOD OF DATA SUPPORT (Check one method only)

☐ I am using the cite-all method of support, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

☑ I am using the selective method of support (or cite-all option under the selective method), and have included with this form a completed list of data requirements (the Data Matrix form must be used).

SECTION II: GENERAL OFFER TO PAY

[Required if using the cite-all method or when using the cite-all option under the selective method to satisfy one or more data requirements]

☑ I hereby offer and agree to pay compensation, to other persons, with regard to the approval of this application, to the extent required by FIFRA.

SECTION III: CERTIFICATION

I certify that this application for registration, this form for reregistration, or this Data-Call-In response is supported by all data submitted or cited in the application for registration, the form for reregistration, or the Data-Call-In response. In addition, if the cite-all option or cite-all option under the selective method is indicated in Section I, this application is supported by all data in the Agency's files that (1) concern the properties or effects of this product or an identical or substantially similar product, or one or more of the ingredients in this product; and (2) is a type of data that would be required to be submitted under the data requirements in effect on the date of approval of this application if the application sought the initial registration of a product of identical or similar composition and uses .

I certify that for each exclusive use study cited in support of this registration or reregistration, that I am the original data submitter or that I have obtained the written permission of the original data submitter to cite that study.

I certify that for each study cited in support of this registration or reregistration that is not an exclusive use study, either: (a) I am the original data submitter; (b) I have obtained the permission of the original data submitter to use the study in support of this application; (c) all periods of eligibility for compensation have expired for the study; (d) the study is in the public literature; or (e) I have notified in writing the company that submitted the study and have offered (I) to pay compensation to the extent required by sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA; and (ii) to commence negotiations to determine the amount and terms of compensation, if any, to be paid for the use of the study.

I certify that in all instances where an offer of compensation is required, copies of all offers to pay compensation and evidence of their delivery in accordance with sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA are available and will be submitted to the Agency upon request. Should I fail to produce such evidence to the Agency upon request, I understand that the Agency may initiate action to deny, cancel or suspend the registration of my product in conformity with FIFRA.

I certify that the statements I have made on this form and all attachments to it are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

Signature	Date	Typed or Printed Name and Title
[signature]	12/20/04	Morris Gaskins Registrations Manager

EPA Form 8570-34 (9-97) Electronic and Paper versions available. Submit only Paper version.

Form Approved OMB No. 2070-0060

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W.
WASHINGTON, DC 20460

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DATA MATRIX

Date:	**EPA Reg. No./File Symbol:** 42750-appl	Page 1 of 5
Applicant's/Registrant's Name & Address: Albaugh Inc. 121 NE 18th St. Ankeny, IA 50021	**Product:** **ACETOCHLOR 7.0 EC**	

Ingredient: Acetochlor CAS # 34256-82-1

Guideline Reference	Guideline Study Name	MRID Number	Submitter	Status	Note
830.1550	Product Identity and Composition	With application	Albaugh	OWN	
830.1600	Description of Materials Used to Produce the	With application	Albaugh	OWN	
830.1620	Description of Product Process				Waiver[2]
830.1650	Description of Formulation Process	With application	Albaugh	OWN	
830.1670	Description of Formation of Impurities	With application	Albaugh	OWN	
830.1700	Preliminary Analysis				Not req'd[1]
830.1750	Certified Limits	With application	Albaugh	OWN	
830.1800	Enforcement Analytical Method	With application	Albaugh	OWN	
830.6302	Color	With application	Albaugh	OWN	
830.6303	Physical State	With application	Albaugh	OWN	
830.6304	Odor	With application	Albaugh	OWN	
830.6313	Stability to Normal and Elevated Temperatures, Metals, and Metal Ions				Not req'd[1]
830.6314	Oxidation/Reduction: Chemical Incompatibility	With application	Albaugh	OWN	
830.6315	Flammability	With application	Albaugh	OWN	
830.6316	Explodability				Waiver[3]
830.6317	Storage Stability				In progress[4]

Signature	**Name and Title:** Morris Gaskins Registrations Manager	**Date** 12/20/04

Form Approved OMB No. 2070-0060

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W.
WASHINGTON, DC 20460

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DATA MATRIX

Date:	**EPA Reg. No./File Symbol** 42750-app	Page 2 of 5
Applicant's/Registrant's Name & Address: Albaugh Inc. 121 NE 18th St. Ankeny, IA 50021	**Product:** **ACETOCHLOR 7.0 EC**	

Ingredient: Acetochlor CAS # 34256-82-1

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.6319	Miscibility				Waiver[5]
830.6320	Corrosion Characteristics				In progress[4]
830.6321	Dielectric Breakdown Voltage				Waiver[6]
830.7000	pH	With application	Albaugh	OWN	
830.7050	UV/Visible Absorption				Not req'd[1]
830.7100	Viscosity	With application	Albaugh	OWN	
830.7200	Melting Point/Melting Range				Not req'd[1]
830.7220	Boiling Point/Boiling Range				Not req'd[1]
830.7300	Density/Relative Density/Bulk Density	With application	Albaugh	OWN	
830.7370	Dissociation Constants in Water				Not req'd[1]
830.7550	Partition Coefficient (n-octanol/water), Shake Flask Method				Not req'd[1]
830.7560	Partition Coefficient (n-octanol/water), Generator Column Method				Not req'd[1]
830.7570	Partition Coefficient (n-octanol/water), Estimation by Liquid Chromatography				Not req'd[1]

Signature	**Name and Title:** Morris Gaskins Registrations Manager	**Date** 12/20/04

EPA Form 8570-35 (9-97) Electronic and Paper versions available. Submit only paper version.

Agency Internal Use Copy

Form Approved OMB No. 2070-0060

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W.
WASHINGTON, DC 20460

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DATA MATRIX

Date:	**EPA Reg. No./File Symbol** 42750-appl.	Page 3 of 5
Applicant's/Registrant's Name & Address: Albaugh Inc. 121 NE 18th St. Ankeny, IA 50021	**Product:** **ACETOCHLOR 7.0 EC**	

Ingredient: Acetochlor CAS # 34256-82-1

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.7840	Water Solubility: Column Elution Method; Shake Flask Method				Not req'd[1]
830.7860	Water Solubility, Generator Column Method				Not req'd[1]
830.7950	Vapor Pressure				Not req'd[1]
870.1100	Acute Oral Toxicity – Rat	42940001	Monsanto (524)	PAY	
870.1200	Acute Dermal Toxicity - Rat	42940001	Monsanto (524)	PAY	
870.1300	Acute Inhalation Toxicity - Rat	42940001	Monsanto (524)	PAY	
870.2400	Primary Eye Irritation - Rabbit	42940001	Monsanto (524)	PAY	
870.2500	Primary Dermal Irritation	42940001	Monsanto (524)	PAY	
870.2600	Dermal Sensitization	42940001	Monsanto (524)	PAY	

Signature	**Name and Title:** Morris Gaskins Registrations Manager	**Date** 12/20/04

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DATA MATRIX

Date:	**EPA Reg. No./File Symbol** 42750-app	Page 4 of 5
Applicant's/Registrant's Name & Address: Albaugh Inc. 121 NE 18th St. Ankeny, IA 50021	**Product:** **ACETOCHLOR 7.0 EC**	

Ingredient: Acetochlor CAS # 34256-82-1

Guideline Reference Number	Guideline Study Name	MRID	Submitter (EPA Co. No.)	Status	Note
Acetochlor generic data requirements					
Albaugh satisfies the generic data requirements for Acetochlor under Formulator's Exemption					

Signature Morris Gaskins	**Name and Title:** Morris Gaskins Registrations Manager	**Date** 12/20/04

EPA Form 8570-35 (9-97) Electronic and Paper versions available. Submit only paper version.

Agency Internal Use Copy

12-23-04
EPA

Footnote 1
- 830.1700 Preliminary Analysis
- 830.6313 Stability to Normal and Elevated Temperature, Metals, and Metal Ions
- 830.7050 UV/Visible absorption
- 830.7200 Melting Point/Range
- 830.7220 Boiling Point/Range
- 830.7370 Dissociation Constants in Water
- 830.7550 Partition coefficient
- 830.7560 Partition coefficient
- 830.7570 Partition coefficient
- 830.7840 Water solubility
- 830.7860 Water solubility
- 830.7950 Vapor Pressure

This data is not required for end use products per Product Properties Test Guidelines OPPTS 830.1000 (e)(2)(xi)(B) Table 2

Footnote 2
- 830.1620 Production Process . Albaugh requests a waiver for this data requirement. ACETOCHLOR 7.0 EC product is formulated. See Guideline 830.1650.

Footnote 3
- 830.6316 Explodability. Albaugh requests a waiver for this data requirement. ACETOCHLOR 7.0 EC product is not composed of explosive components and therefore does not exhibit explosive characteristics.

Footnote 4
- 830.6317 Storage stability
- 830.6320 Corrosion characteristics

Albaugh is currently conducting combined testing for these guidelines as allowed by OPPTS Product Properties Test Guidelines. Albaugh will submit these studies upon completion of the Storage Stability one year after initiation and requests that a conditional registration be granted prior to submission of the data.

Footnote 5
- 830.6319 Miscibility. Albaugh requests a waiver for this data requirement. ACETOCHLOR 7.0 EC is not intended to be diluted with oil or other non-polar solvents.

Footnote 6
- 830.6321 Dielectric breakdown voltage. Albaugh requests a waiver for this data requirement. ACETOCHLOR 7.0 EC is not labeled or intended for use around electrical equipment.

RESTRICTED USE PESTICIDE

Due to oncogenicity. For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.

ACETOCHLOR 7.0 EC

An emulsifiable herbicide for weed control in Field Corn, Production Seed Corn, Silage Corn and Popcorn.

1.0 ACTIVE INGREDIENT:

*Acetochlor	74.8%
OTHER INGREDIENTS:	25.2%
TOTAL:	100.0%

*Contains 839 grams/litre or 7.0 pounds/gallon of 2-chloro-N-ethoxymethyl-N-(2-ethyl-6-methyl phenyl) acetamide.

KEEP OUT OF REACH OF CHILDREN.

WARNING! AVISO!

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

FIRST AID	
IF IN EYES	• Hold eye open and rinse slowly ant gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
IF ON SKIN OR CLOTHING	• Take off contaminated clothing • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a Poison Control center or doctor for treatment advice. • Sensitized persons should avoid further contact and reuse of contaminated clothing.
IF SWALLOWED	• Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
IF INHALED	• Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice
Have the product container label with you when calling the a poison control center or doctor, or going for treatment.	

Read the entire label before using this product. Use only according to label instructions. Read "LIMIT OF WARRANTY AND LIABILITY" before buying or using. If terms are not acceptable, return at once unopened.

THIS IS AN END-USE PRODUCT. ALBAUGH, INC. DOES NOT INTEND AND HAS NOT REGISTERED IT FOR REFORMULATION. IT IS INTENDED THAT REPACKAGING BE ONLY IN ACCORDANCE WITH A ALBAUGH REPACKAGING OR TOLL REPACKAGING AGREEMENT

EPA Reg. No. 42750-xx

EPA Est. No. xxxxx-xx-xxx

NET CONTENTS:

Manufactured For:
ALBAUGH, INC.
ANKENY, IA 50021

TABLE OF CONTENTS

2.0 In case of an emergency involving this product, or for user safety information on this product, Call CHEMTREC toll free at 1-800-424-9300.

3.0 PRECAUTIONARY STATEMENTS

3.1 Hazards to Humans and Domestic Animals

WARNING. Causes substantial but temporary eye and skin irritation. Harmful if swallowed or inhaled. May cause allergic skin reaction. Avoid contact with skin, eyes, or clothing. Avoid breathing vapor or spray mist. Wash thoroughly with soap and water after handling.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some of the materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category A on an EPA chemical-resistance category selections chart.

Applicators and other handlers must wear:
1. Coveralls over short-sleeved shirt and short pants
2. Chemical-resistant gloves made of any waterproof material such as polyethylene or polyvinyl chloride.
3. Chemical-resistant footwear plus socks
4. Protective eyewear
5. Chemical-resistant head-gear for overhead exposure and
6. Chemical-resistant apron when cleaning equipment, mixing, or loading.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard MPS) for agricultural pesticides [40 CFR 170.240(4)(4-6)), the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

User should:
1. Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
2. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
3. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

3.2 ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

This chemical demonstrates the properties and characteristics associated with chemicals detected in ground water. The use of this chemical in areas where soils are permeable, particularly where the ground water is shallow, may result in ground water contamination.

Acetochlor has properties that may result in surface water contamination via dissolved runoff and runoff erosion. Practices should be followed to minimize the potential for dissolved runoff and/or runoff erosion.

4.0 DIRECTIONS FOR USE

It is a violation of Federal law to use this product in any manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulations.

Read each of these sections of this label for essential product performance information.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

Exception: if the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, are:

1. Coveralls over short-sleeved shirt and short pants
2. Chemical-resistant gloves made of any waterproof material such as polyethylene or polyvinyl chloride.
3. Chemical-resistant footwear plus socks
4. Protective eyewear
5. Chemical-resistant headgear for overhead exposure.

4.1 STORAGE AND DISPOSAL

Do not contaminate water, foodstuffs, feed or seed by storage or disposal.

PESTICIDE STORAGE: Keep container closed to prevent spills or contamination.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticide disposal or in accordance with applicable Federal, state or local procedures.

CONTAINER DISPOSAL: Emptied container retains vapor and product residue. Observe all labeled safeguards until container is cleaned, reconditioned, or destroyed.

[Container label option for Bulk and Minibulk]

Instructions for Users: When the container is empty, replace the cap and seal all openings that have been made during usage, and return the container to the point of purchase, or to an alternate location designated by the registrant at the time of purchase of this product. If not returned to the point of purchase or a designated location, triple rinse or pressure rinse the empty container and offer it for recycling if available. If not refilled or recycled, then puncture and dispose of in a sanitary landfill, or by incineration or, if allowed by state and local authorities by burning. If burned, stay out of smoke,

Instructions for Users and Refillers: This container meet only be refilled with this pesticide product. Do not reuse this container for any other purpose. Do not transport if this container is damaged or leaking. If the container is damaged or leaking or obsolete, or to obtain information about recycling refillable containers,

contact Albaugh, Inc. Cleaning is not necessary prior to refilling with the same product. Clean container before final disposal. Disposal of this container must be in compliance with state arid local regulations.

Instructions for Refillers: Prior to refilling, inspect carefully for damage such as cracks, punctures, abrasions, worn out threads and closure devices. Check for leaks after milling and before transporting. If the container cannot be refilled, triple rinse or pressure test the empty container and offer for recycling if available. If not refilled or recycled, then puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state end local authorities, by burning. If burned, stay out of smoke.

[container label option for plastic 1-way containers]

Do not reuse container. Triple rinse containers, then puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by if burned, stay out of smoke.

[Container label option for drums]

Do not reuse container. Return container per the Albaugh container return program. If not returned, triple rinse container, than puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed be state and local authorities by burning. If burned, stay out of smoke.

5.0 GENERAL INFORMATION

ACETACHLOR 7.0 EC herbicide is recommended for control of yellow nutsedge and the annual grasses and broadleaf weeds listed in the "WEEDS CONTROLLED" section of this label. This product will not control emerged seedlings. This product may be applied either as a surface application before or after planting, or after crop emergence. This product may also be shallowly incorporated prior to planting to blend the herbicide treatment into the upper 1 to 2 inches of soil. Except for minimum or conservation tillage systems, the seedbed should be fine, firm and free of clods and trash.

Read and carefully observe precautionary statements and all other information appearing on the labeling of all products used in mixtures and sequential treatments.

5.1 USE RESTRICTIONS

- This chemical demonstrates the properties and characteristics associated with chemicals detected in ground water. The use of this chemical in areas where soils are permeable, particularly where the ground water is shallow, may result in ground water contamination. Do not apply to the following soils if ground water depth is 30 feet or less: sands with less than 3 percent organic matter; loamy sands with less than 2 percent organic matter; or sandy foams with less than 1 percent organic matter.

- This product may not be mixed or loaded within 50 feet of any wells (including abandoned wells and drainage wells), sink holes, intermittent streams and rivers, and natural or impounded lakes and reservoirs. This setback does not apply to properly capped or plugged abandoned wells and does not apply to impervious pad or properly diked mixing/loading areas.

- Operations that involve mixing, loading, rinsing, or washing of this product into or from pesticide handling or application equipment or containers within 50 feet of any well are prohibited unless conducted on an impervious pad constructed to withstand the weight of the heaviest load that may be positioned on or moved across the pad. Such a pad shall be designed and maintained to contain any product spills or equipment leaks, container or equipment rinse or washwater, and rainwater that may fall on pad. Surface water shall not be allowed to either flow over or from the pad, which means the pad must be self-contained. The pad shall be sloped to facilitate material removal. An unroofed pad shall be of sufficient capacity to contain a minimum of 110 percent of the capacity of the largest pesticide container or application equipment on the pad. A pad that is covered by a roof of sufficient size to completely exclude precipitation from contact with the pad shall have a minimum containment capacity of 100 percent of the capacity of the largest pesticide container or application equipment on the pad. Containment capacities as described above shall be

maintained at all times. The above specified minimum containment capacities do not apply to vehicles when delivering pesticide shipments to the mixing/loading site. States may have in effect additional requirements regarding wellhead setbacks and operational containment.

- Do not flood irrigate to apply or incorporate this product.
- Product must be used in a manner which will prevent back siphoning into wells, spills or improper disposal of excess pesticide, spray mixtures or rinsates.
- Do not apply this product through any type of irrigation system.
- Disposal of excess pesticide, spray mixtures or rinsate should be according to label use instructions or according to the State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA regional office.
- Do not apply under conditions which favor runoff or wind erosion of soil containing this product to non-target areas. To prevent off-site movement due to runoff or wind erosion:
    - Avoid treating powdery dry or light sandy soils when conditions are favorable for wind erosion. Under these conditions, the soil surface should first be settled by rainfall or irrigation.
    - Do not apply to impervious substrates such as paved or highly compacted surfaces or frozen or snow covered soils.
    - Do not use tailwater from the first flood or furrow irrigation of treated fields to treat non-target crops unless at least 1/2 inch of rain-fall has occurred between application and the first irrigation.
- Do not apply this product using aerial application equipment.
- Do not apply when wind conditions favor drift to non-target sites. To minimize spray drift to non-target areas:
    - Use low pressure application equipment capable of producing a large droplet spray. Do not use nozzles that produce a fine droplet spray. Minimize drift by using sufficient spray volume to ensure adequate coverage with large droplet size sprays.
    - Keep ground driven spray boom as low as possible above the target surface.
    - Make application when the wind velocity favors on-target product deposition (approximately 3 to 10 mph). Do not apply when wind velocity exceeds 15 mph. Avoid application when gusts approach 15 mph.
    - Low humidity and high temperatures increase the likelihood of spray drift to sensitive areas. Avoid spraying during conditions of low humidity and/or high temperatures. Do not apply during inversion conditions.
- Use of this product not consistent with this label may result in injury to persons, animals or crops, or other unintended consequences.
- Flush sprayer with clean water after use.
- Do not rotate to crops other than soybeans, corn (all types including sweet corn), milo (sorghum), wheat, or tobacco.

6.0 SOIL TEXTURE

Applicators should evaluate soil conditions carefully to assure that they choose the correct label rate. The

recommended use rates of this product and the other herbicides labeled for use in tank mixtures with this product vary with soil texture. Unless soil texture is specifically named, rate tables throughout this label refer to only three soil textural groups: coarse, medium and fine. The following is a complete listing of soil textures included in each of these three soil textural groups:

SOIL TEXTURAL GROUP	SOIL TEXTURE
COARSE:	sand, loamy sand, sandy loam
MEDIUM:	loam, silt loam, silt, sandy clay loam
FINE:	silty clay loam, clay loam, sandy clay, silty clay, clay

Refer to the above table to determine the corresponding soil textural group for the soil to be treated.

7.0 MIXING, SPRAYING AND HANDLING INSTRUCTIONS

NOTE: Direct contact or exposure to this product or spray mixtures of this product should be minimized. The following instructions for transfer, mixing, cleaning or repairing equipment should be followed in order to minimize this exposure. Review the protective clothing requirements as listed in the "PRECAUTIONARY STATEMENTS" section of this label and do not use this product until you have the necessary protective clothing.

2.5 Gallon Containers

Open pouring from these containers can result in exposure from splashing or spilling. Special care in lifting and pouring are strongly recommended.

Bulk Containers

Open pouring from these containers can result in exposure from splashing or spilling and is not recommended. This product should be transferred from these containers to the mix or spray tank using pumps or transfer probes. The probe or pump should not be removed from the container or disconnected until the container is emptied and rinsed. Use the pump or probe system to rinse the empty container and transfer the rinsate directly to the mix or spray tank.

7.1 Equipment Cleaning & Repair

Cleaning and repair of transfer systems and application equipment is a source of exposure to this product. Care should be taken to minimize exposure during cleaning and repair of transfer systems and application equipment. Whenever possible, these systems or equipment should be rinsed before being cleaned or repaired.

When repairs most be made during transfer or application, the equipment should be shut down, and special care taken to avoid contact with the pesticide.

7.2 Sprayer Compatibility

Always predetermine the compatibility of this product or labeled tank mixtures of this product with water carrier or sprayable fluid fertilizer carrier by mixing small proportional quantities in advance. See the "STANDARD SPRAYABLE FLUID FERTILIZER COMPATIBILITY TEST" section in this label to determine the compatibility of this product and the labeled tank mixtures recommended for use with sprayable fluid fertilizer carrier.

Mix this product or labeled tank mixture of this product with the appropriate carrier as follows:

1. Place a 20 to 35 mesh screen or wetting basket over filling port.
2. Through the screen, fill the sprayer tank one-half full with the appropriate carrier.
3. If a compatibility agent is necessary to improve mixing or to prevent the formation of undesirable and unsprayable gels or precipitates, while agitating add it to the carrier already in the tank. Use only compatibility agents cleared by FDA for this use. Read and follow all directions for use, cautionary statements and all other

information appearing on the selected compatibility agent label. Check for adequate agitation.

4. If a wettable powder or dry flowable formulation is used, make a slurry with water and add it slowly through the screen into the tank. Continue agitation.
5. If a flowable formulation is used, add slowly through screen into the tank. Mixing and compatibility may be improved when flow-able is pre-mixed one part flowable with one part water and added to the tank in diluted form.
6. Add this product slowly through the screen into the tank. Mixing and compatibility may be improved when this product is prediluted with two parts of water and added to the tank in diluted form.
7. Complete filling the sprayer tank with carrier. If a Roundup' agricultural herbicide or Gramoxone Extra is used, add the required amount near the end of the filling process. Remove hose from tank immediately after filling to avoid siphoning back into the carrier source.

Maintain good agitation at all times until the contents of the tank are sprayed.

NOTE: If spray mixture is allowed to settle at any time, thorough agitation is required to resuspend the mixture before spraying is resumed.

Keep by-pass line on or near bottom of tank to minimize foaming. Screen size in nozzle or line strainers should be 50 mesh. Carefully select proper nozzle to avoid spraying a fine mist. Check for even distribution of spray droplets. To reduce loss of the chemical due to drift of a fine mist, apply at nozzle pressures below 40 psi.

7.3 STANDARD SPRAYABLE FLUID FERTILIZER COMPATIBILITY TEST

Herbicides may not always mix evenly throughout a sprayable fluid fertilizer or the components may separate too quickly to make their combined use of practical value. This may be due to certain characteristics of the different fluid fertilizers. A simple test using small quantities of the components is suggested to provide compatibility potential. The test follows:

A. Materials Required For A Compatibility Test

1. Two one-quart jars with lid or stopper (marked "with" and "with-out').
2. Teaspoons (for a more exacting test, a five to ten milliliter (ml.) pipette or graduated cylinder is desirable).
3. Sprayable fluid fertilizer to be tested.
4. The herbicide chemicals to be mixed.
5. A compatibility agent (the purpose of the adjuvant is to help keep the fertilizer and crop protection chemical in suspension, if this assistance is needed).

B. Procedure

1. Add one pint of the sprayable fluid fertilizer that will be used or other herbicide carrier to each jar marked "with" and "without".

Add One Pint Liquid Fertilizer
To Two Quart Jars.

(insert jar pictures here)

2. To the jar marked "with", add 1/4 teaspoon or 1.2 milliliters of a suitable compatibility agent; shake gently for five to ten seconds to mix. (1/4 Teaspoon in one pint is the equivalent of two pints per 100 gallons of liquid fertilizer.)

To Jar Marked "With"
Add Compatibility Agent
And Shake to Mix

(insert jar pictures here)

3. To each jar add the appropriate amount of herbicide(s). If more than one is used, add them separately with the wettable powders or dry flowables added first, flowables second and liquid last. Shake gently five to ten seconds after each addition.

Add Herbicide(s) To Both Jars
And Shake to Mix.

(insert jar pictures here)

		Amount to Be Added Per Pint of Sprayable Fluid Fertilizer (Assuming Volume is 25 gal/A)
Herbicide	Rate/Acre	Level teaspoons
Wettable Powders or Dry Flowables	1 lb.	= 1.5
	2 lb.	= 3
	3lb.	= 4.5
	4 lb.	= 6
	5 lb.	= 7.5

Herbicide	Rate/A	Teaspoons	Level Milliliters
Emulsifiable Concentrates or Flowables or Liquids or Solutions	1 pint	= 0.5	or 2.4
	1 quart	= 1	or 4.7
	2 quarts	= 2	or 9.5
	3 quarts	= 3	or 14.2
	1 gallon	= 4	or 19.0
	5 quarts	= 5	or 23.8

This compatibility test is designed for 25 gallons of spray per acre with the maximum labeled rate of herbicide. For changes in spray volume or herbicide rate, make appropriate changes in the ingredients of the test. Regardless of spray volume, the amount of compatibility agent should be equal to two or three pints (two pints = 1/4 Teaspoon or 1.2 milliliters, three pints = 3/8 Teaspoon or 1.8 milliliters per pint of sprayable fluid fertilizer) per 100 gallons of liquid fertilizer.

C. Observations and Decisions

1. If the herbicide(s) and the sprayable fluid fertilizer are compatible.
2. If a compatibility agent is necessary.

Five minutes after the final addition and mixing, observe both jars for the formation of large flakes, sludge, gels or other precipitates. Observe if the herbicide(s) cannot be physically mixed with the liquid fertilizer but remains as small oily particles in the solution.

If incompatibility in any form described above occurs in the jar "with" the compatibility agent added, the liquid fertilizer and the herbicide(s) should not be used together in the same spray tank.

If incompatibility as described above occurs in the jar "without" the adjuvant but not in the jar "with" adjuvant, the use of a compatibility adjuvant is recommended.

Both jars should be allowed to stand and be observed periodically for one-half hour. If the separate layers of liquid fertilizer and additives can be resuspended by shaking, commercial application is possible. An

emulsifiable concentrate normally will go to the top after standing; wettable powders will either settle to the bottom of the tank or jar, or float to the top, depending upon the density of the fertilizers.

If the herbicide(s) is compatible with fluid fertilizer in the foregoing test without having to use a compatibility agent, fluid fertilizer may be used for the premixing. If it is not compatible without the compatibility agent, the herbicide(s) should be premixed with water before adding to the spray tank.

8.0 APPLICATION SYSTEMS

8.1 Ground Broadcast Treatment

Apply this product and the labeled tank mixtures in 10 or more gallons of solution per acre using broad-cast boom equipment. The carrier may be either water or sprayable fluid fertilizer as specified for the crop to be treated in the "DIRECTIONS FOR USE" section of this label. Do not apply during periods of gusty winds, when winds are in excess of 15 mph or when other conditions favoring drift exist.

8.2 Ground Band Treatment

Apply a broadcast equivalent rate and volume per acre. To determine these:

Band width in inches / Row width in inches	X	Broadcast RATE per acre	=	Band RATE per acre

Band width in inches / Row width in inches	X	Broadcast VOLUME per acre	=	Band VOLUME per acre

8.3 Application with Dry Bulk fertilizer

The herbicide-fertilizer impregnation process (In-Plant and On-Board systems) must be completed only by commercial fertilizer or chemical dealerships properly equipped for this procedure. Contact Albaugh, Inc. for additional information regarding recommended equipment and methods for herbicide-fertilizer impregnation applications.

Dry bulk fertilizer may be impregnated with this product or the tank mixtures of this product plus atrazine on corn. This product and these tank mixtures must be applied with 200 to 450 pounds of dry bulk fertilizer per acre and shallowly incorporated within 14 days prior to planting. On medium and fine-textured soils in areas where soil incorporation is not planned, i.e., reduced tillage situations or in some conventional tillage situations, applications can be made up to 30 days before planting to allow moisture to move the herbicide-fertilizer mixture into the soil. On coarse-textured soils, applications can be made up to 14 days prior to planting. The herbicide must be applied as recommended in this label for the crop, weed and soil type treated. Refer to the table for broadcast rate per acre to deter-mine the recommended rate per acre for the herbicide treatment to be applied.

The following table provides a reference to determine the amount of LIQUID herbicide to be mixed per ton of dry bulk fertilizer for a range of herbicide recommendations for fertilizer rates per acre:

RECOMMENDED PINTS LIQUID HERBICIDE/ACRE

Fertilizer Rate (lb/acre)	Acres Covered (per ton)	2.0 (pints of herbicide/ton dry bulk fertilizer)	2.25	2.75
200	10	20	22.5	27.5

250	8	16	18	22
300	6.7	13.4	15	18.4
350	5.7	11.4	12.8	15.7
400	5	10	11.3	13.8
450	4.5	9	10.1	12.4

To determine the amount of herbicide needed for rates not included in the preceding table, use the following formula:

Recommended Herbicide Rate

$$\frac{\text{Pints/Acre X 2000}}{\text{Pounds Fertilizer/Acre}} = \text{Pints of herbicide per ton of dry bulk fertilizer}$$

With the In-Plant system, mix and blend the dry fertilizer and herbicide mixture in a closed rotary-drum type mixture allowing sufficient time to ensure uniform coverage. Use at least one ton of dry fertilizer per mixing operation. Inject the herbicide into the drum over a minimum of a 2-minute period and allow at least 2 additional minutes mixing time to ensure uniformity. The nozzle used to spray the herbicide treatment must be placed inside the mixer to provide uniform spray coverage of the tumbling fertilizer.

If the dry fertilizer used has inadequate absorptive capacity, use a higher absorptive material such as Agsorb or Micro-Cel E, to provide a free-flowing mixture. Contact Albaugh, Inc. Company for specific guidelines with regard to the sequence of addition for the various components and the amount of drying agent to add to provide a free-flowing mixture.

The following table provides a partial list of dry fertilizers which may be impregnated with this product or tank mixtures of this product with other herbicides:

Fertilizer	ACETACHLOR 7.0 EC	ACETACHLOR 7.0 EC + ATRAZINE
Ammonium sulfate (21-0-0)	Yes	Yes
Ammonium phosphate-sulfate (16-20-0)	Yes	Yes
Diammonium phosphate (18-46-0)	Yes	Yes
Potassium chloride (0-0-60)	Yes	Yes
Potassium sulfate (0-0-52)	Yes	Yes
Single super-phosphate (0-20-0)	Yes	No
Treble super-phosphate (0-46-0)	Yes	No
*Urea (46-0-0)	Yes	Yes

*Some ureas may be phytotoxic when applied on corn. Use only ureas known to be safe to corn.

NOTE: DO NOT impregnate this product or tank mixtures of this product with other herbicides on fertilizers containing ammonium nitrate, potassium nitrate or sodium nitrate.

Spread the herbicide-dry fertilizer mixture uniformly with a properly calibrated applicator: dribble, pneumatic (air flow) or spin. When using spin applicators, fertilizers impregnated with this product or tank mixtures of this product with other herbicides most be spread at half-rate and overlapped 100 percent to obtain full rate and uniform distribution. Non-uniform spreading of the fertilizer-herbicide mixture may result in unsatisfactory weed control or crop injury.

8.3.1 Pneumatic (Compressed Air) Application (ACETACHLOR 7.0 EC herbicide alone)

High humidity, high urea concentrations, low fertilizer use rates, and dusty fertilizer may cause herbicide-fertilizer mixture to build up or plug the distributor head, air tubes, or deflector plates. To minimize buildup, premix ACETACHLOR 7.0 EC herbicide with Exxon Aromatic 200 at a rate of 1 to 4 pints per gallon of ACETACHLOR 7.0 EC herbicide. Aromatic 200 may be used in either fertilizer blender or through direct injection systems. Drying agents should not be used when using Aromatic 200.

NOTES: Mixtures of ACETACHLOR 7.0 EC herbicide and Aromatic 200 must be used on dry fertilizer only. Poor results or crop injury may result if these mixtures are used in water or liquid fertilizer solutions for spraying applications. When impregnating ACETACHLOR 7.0 EC herbicide in a blender before application, a drier mixture can be attained by substituting a drying agent for Aromatic 200. The use of Agsorb or a drying agent of 6/30 particle size are recommended. Drying agents are not recommended for use with On-The-Go impregnation equipment.

9.0 APPLICATION TIMING AND METHODS

9.1 Early Preplant Surface Application

This product and some labeled tank mixtures of this product maybe applied in no-till and other conservation tillage systems before weeds emerge and up to 45 days before planting field corn or silage corn. Split applications can be made 30 to 45 days prior to planting with 60 percent of the recommended broad-cast rate applied initially and the remaining 40 percent applied at planting. Applications made less than 30 days prior to planting can be made either as a split or as a single application. If weeds are present at the time of application, apply this product in tank mixture with an appropriate contact herbicide. Observe directions for use, precautions and restrictions on the label of the contact herbicide. During the planting operation, be careful not to move untreated soil to the surface or move treated soil out of the row, as weed control may be reduced.

9.2 Preemergence Surface Application

This product and all labeled tank mixtures may be applied to the soil surface after planting and prior to either crop or weed emergence. Apply within 5 days of last preplant tillage. If weeds emerge after treatment, or if treatment is applied more than 5 days after last preplant tillage, rotary hoe or shallowly cultivate immediately to improve performance. Precipitation or overhead sprinkler irrigation is required after application to move the herbicide treatment into the weed germination zone. The amount of precipitation or overhead sprinkler irrigation required depends on existing soil mixture, soil type and percent organic matter content, but 1/4 to 3/4 inch is normally adequate. Performance is improved when moisture is received within 7 days after application and prior to weed emergence. High intensity or excessive rainfall or excessive irrigation after application may reduce control.

9.3 Preplant Incorporation Application

This product and many of the labeled tank mixtures may be mixed into the soil using shallow incorporation equipment any time within 14 days prior to planting. Apply the recommended treatment rate to the soil surface as a broadcast application. Either existing soil moisture or subsequent precipitation or irrigation is required to bring incorporated herbicide treatments into contact with germinating weed seedlings. If weeds emerge after treatment, rotary hoe or shallowly cultivate immediately to improve performance.

1-Pass Incorporation: Shallowly incorporate the treatment into the upper 1 to 2 inches of the soil. Equipment should be operated at manufacturer's designed speed for incorporation to ensure adequate mixing and distribution of the herbicide treatment in the soil. Equipment design including any drag attachments must be adequate to avoid soil ridging which may result in streaked or reduced weed control. Soil conditions, including moisture content and crop residue levels, must be suitable to allow thorough and uniform mixing with the equipment used for 1-pass incorporation.

2-Pass Incorporation: When 2-pass incorporation is used, shallowly incorporate the herbicide treatment into the upper 1 to 2 inches of the soil with equipment set to work the soil NO DEEPER THAN 4 INCHES. The second pass must be made at an angle to and no deeper than the first pass to ensure proper distribution of the herbicide treatment in the soil.

9.4 Postemergence Surface Application

This product and certain tank mixtures may be applied postemergence until corn reaches 11 inches in height. Application must be made prior to weed seedling emergence or in a tank mixture that controls emerged weeds. Read and follow all restrictions and directions on tank mix product labels. Refer to the specific treatment intended in the "DIRECTIONS FOR USE" section of the label to determine if postemergence applications to corn are recommended and determine the proper weed and corn growth stage limitations. Precipitation or overhead sprinkler irrigation is required after application to move the herbicide treatment into the weed germination zone to control unemerged weeds. The amount of precipitation or irrigation required depends on existing soil moisture, soil type and percent organic matter content, but 1/4 to 3/4 inch is normally adequate. If weeds emerge after treatment, rotary hoe or shallowly cultivate to improve performance.

DO NOT make postemergence surface applications using sprayable fluid fertilizer as the carrier because severe crop injury may occur.

Cultivation Information—Delay cultivation after application for as long as possible unless weeds or grasses emerge. Shallowly cultivate or rotary hoe immediately if weeds or grasses emerge. If cultivation is necessary because of soil crusting or compaction, set equipment shallow and minimize lateral soil movement to avoid dilution or displacement of the herbicide treatment. If a band application is used and weeds have emerged in the treated band, set cultivator to throw soil into the row covering the band.

10.0 WEEDS CONTROLLED

When applied as directed under conditions described, this product and tank mixtures of this product will control or reduce competition from the weeds listed.

10.1 Annual Grasses

NOTE: C = Control, R = Reduced Competition, X = No Control

	ACETACHLOR 7.0 EC plus				
	ACETACHLOR 7.0 EC	ATRAZINE	BANVEL or CLARITY	PRINCEP	PURSUIT
Barnyardgrass *Echincloa crus-galli*	C	C	C	C	C
Crabgrass *Digitaria ischaemum* *Digitaria sanguinells*	C	C	C	C	C
Crowfootgrass *Dactyloctenium segyptium*	C	C	C	C	C

	ACETACHLOR 7.0 EC plus				
	ACETACHLOR 7.0 EC	ATRAZINE	BANVEL or CLARITY	PRINCEP	PURSUIT
Cupgrass, prairie *Eriochloa contracta*	C	C	C	C	C
Cupgrass, woolly 1 *Eriochola villosa*	C	C	C	C	C
Foxtail: giant, *Setaria faberi*	C	C	C	C	C
Foxtail: green, robust purple, robust white, yellow *Setaria viridis*					
Goosegrass *Eleusine indica*	C	C	C	C	C
Johnsongrass, seedling *Sorghum halepense*	R	R	R	R	C
Millet, foxtail *Setaria italica*	R	R	R	R	R
Millet, proso 2 *Panicum milliceum*	R	R	R	R	R
Oats, wild *Avena fatua*	R	C	R	C	R
Panicum, browntop *Panicum fasciculatum* Panicum, fall *Panicum dichotomiflorum*	C	C	C	C	C
Panicum, Texas *Panicum texanum*	R	R	R	R	R
Rice, red *Oryza sativa*	C	C	x	C	C
Sandbur, Grassbur *Cenchrus incertus*	R	R	x	R	R
Shattercane, wildcane 2 *Sorghum bicolor*	R	R	x	R	R
Signalgrass, broadleaf *Brachieria platyphylla*	C	C	C	C	C
Sprangletop, red *Leptochioa filiformis*	C	C	C	C	C
Wheat, volunteer *Triticum aestivum*	R	C	R	C	R
Witchgrass Panicum capilare	C	C	C	C	C

10.2 Annual Broadleaves

	ACETACHLOR 7.0 EC plus				
	ACETACHLOR 7.0 EC	ATRAZINE	BANVEL or CLARITY	PRINCEP	PURSUIT
Beggarweed, Florida *Desmodium tortuosum*	R	C	x	x	R
Carpetweed *Mollugo verticillata*	C	C	C	C	C
Cocklebur 3 *Xanthium strumarium*	x	C	C	R	R
Galinsoga *Galinsoga spp.*	C	C	C	C	C
Groundcherry, annual *Physalis spp.*	x	C	x	x	x
Groundcherry, cutleaf *Physalis angulata*	R	C	C	C	R
Henbit *Lemium amplexicaula*	C	C	C	C	C
Jimsonweed 8 *Datura stramonium*	R	C	x	R	C
Kochia 4 *Kochia scoparia*	R	C	x	C	C
Lambsquarters 5 *Chenopodium album*	C	C	C	C	C
Morningglory3: Tall *Ipomoea purpurea* Pitted *Ipomoea lacunosa* Ivyleaf *Ipomoea hederacea* Entireleaf *Ipomoea hederacea var. intergriusclua* Smallflower *Jacquemontia temnifolia*	x	C	R	C	R
Mustard *Brassica spp.*	x	C	C	C	C
Nightshade: Black *Solanum nigrum* Hairy *Solanum sarrachoides*	C	C	C	C	C
Pigweed, Carelessweed 5 *Amaranthus spp.*	C	C	C	C	C
Purslane *Portulaca oleracea*	C	C	C	C	C
Pusley, Florida *Richardia scabra*	C	C	C	C	C
Ragweed, common 5 *Ambrosia artemisiifolia*	C	C	C	C	C
Ragweed, giant 3 *Ambrosia trifida*	x	C	C	C	R
Sicklepod *Cassia obtusifolia*	x	C	x	R	x

	ACETACHLOR 7.0 EC plus				
	ACETACHLOR 7.0 EC	ATRAZINE	BANVEL or CLARITY	PRINCEP	PURSUIT
Sida, prickly; Teaweed *Sida spinosa*	R	C	x	C	C
Smartweed *Polygonum pensylvanicum* *Polygonum persicaria*	R	C	C	C	C
Starbur, bristly *Acanthospermum hispidium*	R	C	x	R	x
Sunflower, common 3,8 *Helianthus annuus*	x	C	R	R	C
Velvetleaf, Buttonweed 6,8 *Abutilon theophrasti*	R	C	C	R	C
Waterhemp *Amaranthus tuberculatus*	C	C	C	C	C
SEDGE					
Nutsedge, yellow 7 *Cyperus esculentus*	C	C	x	C	C

1. Use 3 to 3.4 pints per acre of this product applied alone or in tank mix combinations for best results. Control can be erratic especially under dry weather conditions. Control escaped weeds with cultivation or application of an appropriate EPA registered postemergence herbicide. Contact the local ALBAUGH, INC. representative for details regarding a complete woolly cupgrass management program.

2. Use 3 to 3.4 pints per acre of this product to reduce competition from this weed.

3. Use a minimum of 1.5 quarts atrazine 4L per acre in tank mixture combinations to control this weed. Control can be erratic especially under dry weather conditions. Control escaped weeds with cultivation or application of an appropriate EPA-registered postemergence herbicide.

4. If triazine-resistant biotypes are suspected, tank mixtures with triazine herbicides may require a post sequential application of a non-triazine herbicide for control.

5. Use the higher rate in the recommended range for ACETACHLOR 7.0 EC herbicide alone and in tank mixtures with triazine herbicides if triazine resistant biotypes are suspected.

6. Use a minimum of 1.5 quarts atrazine per acre in tank mixture combinations to control this weed. In areas restricted to 1 pound atrazine per acre (1 quart atrazine 4L) or where less atrazine per acre is desired, on medium and fine textured soils, use 2.75 pints of ACETACHLOR 7.0 EC herbicide in a tank mixture with 1 quart atrazine 4L per acre for control of this weed. Control can be erratic especially under dry weather conditions. Control escaped weeds with cultivation or application of an appropriate EPA registered postemergence herbicide.

7. Use 2.5 to 3.4 pints per acre of this product applied alone or in tank mixtures and apply preplant incorporated only for control on medium and fine-textured soils.

8. When using a tank mixture of ACETACHLOR 7.0 EC herbicide plus Pursuit, these weeds are more consistently controlled by preplant incorporated treatments.

11.0 CONSERVATION OR MINIMUM TILLAGE SYSTEMS

NOTE: Each section of this label provides recommended treatment rates for this product and tank mixtures including this product. Applications, which are not consistent with recommendations in this label, may result in

unsatisfactory weed control, injury to crops, persons or animals, or other unintended consequences. Refer to specific product labels for crop rotation restrictions and cautionary statements of all products used in these tank mixtures, including precautions on soil pH sensitive varieties, minimum recropping interval and rotational guidelines.

Use the higher rates in the recommended ranges in areas of heavy weed infestation or where otherwise specified. If emerged weeds exist at planting, the application of a contact herbicide or tillage is recommended when possible to eliminate existing weeds. Do not apply when conditions favor drift.

Detailed information regarding "APPLICATION SYSTEMS" and "APPLICATION TIMINGS AND METHODS" appears in the "GENERAL INFOQMATION" section and should be carefully reviewed in conjunction with the information in this section. If the specific information of this section differs from the "GENERAL INFORMATION", the specific information should control.

The tank mix recommendations in the Conventional Tillage Section of this label may also be followed when using Conservation or Minimum Tillage Systems. Follow all label precautions, directions and restrictions of tank mix partners.

11.1 At-Planting Applications

When applied as directed under the conditions described, these tank mixtures control many emerged annual weeds, suppress many emerged perennial weeds and give preemergent control of many annual grasses and weeds when corn will be planted directly into a cover clop, established sod or in previous crop residues. These tank mixtures will not control regrowth from perennial weeds.

DO NOT APPLY BY AIR.

Refer to specific product labels for crop rotation restrictions and cautionary statements of all products used in these tank mixtures. For mixing instructions, sea the "Mixing and Spraying Instructions" section this label.

11.1.1 Additional Preemergence Control

This product and tank mixtures with atrazine, Princep, Pursuit or atrazine plus Princep can be tank-mixed with Glyphosate agricultural herbicides, Gramoxone Extra and/or 2,4-D.

Apply these tank matures with a Roundup agricultural herbicide or 2.4-D (amine or low volatile ester) in 10 to 20 gallons of water or 10 to 60 gallons of nitrogen solution per acre, or the tank mixtures with Gramoxone Extra in 10 to 20 gallons of water or clear liquid fertilizer per acre immediately before, during or after planting, but BEFORE CROP EMERGENCE. As density of stubble crop residue or weeds increase, spray and rate should be increased within the recommended ranges to ensure complete coverage. In the absence of emerged vegetation delete the Roundup agricultural herbicide, Gramoxone Extra or 2,4-D portion of these tank mixtures.

Approved Application Systems
Ground—Broadcast boom

11.2 Control or Suppression of Emerged Weeds

AVOID DRIFT – EXTREME CARE MUST BE USED WHEN APPLYING THESE TANK MIXTURES TO PREVENT INJURY TO DESIRABLE PLANTS AND CROPS. Do not allow spray mist to drift since even minute quantities of spray can cause severe damage or destruction to nearby crops, plants or other areas on which treatment is not intended. Do not apply when winds are gusty or in excess of 5 miles per hour or when rather conditions, including lesser wind velocities, will allow drift to occur. When spraying, avoid combinations of pressure and nozzle type that will result in fine particles (mist) which are more likely to drift.

11.2.1 Roundup WeatherMAX Herbicide

Annual Weeds

Apply Roundup WeatherMAX herbicide, or other glyphosate agricultural herbicides, in the recommended tank

mixtures at the proper rate for the weed per the label Instructions.

Perennial Weeds

At normal application dates in minimum tillage systems, perennial weeds may not be at the proper stage of growth for control. Use of 1.3 to 2.7 quarts of Roundup WeatherMAX herbicide per acre or equivalent rates of other Glyphosate agricultural herbicides, in the above mixtures under these conditions provides top kill and reduces competition from many emerged perennial grasses and broadleaf weeds.

USE OF THIS MIXTURE FOR BERMUDAGRASS OR JOHNSONGRASS CONTROL IS NOT RECOMMENDED.

NOTE: When using these tank mixtures, do not exceed 2.7 quarts of Roundup WeatherMAX herbicide per acre,

Ammonium Sulfate

The addition of ammonium sulfate in the spray solution may increase the performance of glyphosate agricultural herbicide tank mixture on emerged annual weeds under adverse growing conditions. When using ammonium sulfate, add 2 percent dry ammonium sulfate by weight or 17 pounds per 100 gallons of water. Ammonium sulfate should be added to the water in the spray tank and completely dissolved prior to adding the herbicide or surfactant. Do not mix ammonium sulfate in fluid fertilizer solutions. The equivalent rate of ammonium sulfate in a liquid formulation may also be used.

If Ammonium sulfate is added directly to the spray tank, add slowly with agitation. Adding too quickly may clog outlet lines. Nozzle tip plugging may result from the use of low quality ammonium sulfate. To determine quality, perform a jar test by adding 1/3 cup of ammonium sulfate to 1 gallon of water and agitate for one minute, undissolved sediment is observed, pre-dissolve the ammonium sulfate in water and filter prior to adding the spray tank.

Surfactants

Nonionic surfactants that are labeled for use with herbicides may be used with some glyphosate agricultural herbicides check specific label for restrictions. Do not reduce rates of glyphosate agricultural herbicides when adding surfactant. Use 0.5 percent surfactant concentration (2 quarts per 100 gallons of spray when using surfactants that contain at least 50 percent active ingredient or a 1 percent surfactant concentration (4 quarts per 10 gallons of spray solution) for those surfactants containing less than 50 percent active ingredient. Read and carefully observe surfactant cautionary statements and other information appearing on the surfactant label.

11.2.2 Gramoxone Extra

When used as directed, Gramoxone Extra in a labeled tank mixture controls many emerged annual weeds and suppresses many emerged perennial weeds.

Broadcast Treatment

Apply 1.5 to 3 pints of Gramoxone Extra per acre in the recommended tank mixtures immediately before, during or after planting but BEFORE CROP EMERGENCE. Use 2 to 2.5 pints when weeds are 3 to 6 inches tall. Use 2.5 to 3 pints when weeds are 6 inches tall. This mixture may not control weeds taller than 6 inches. As density of stubble, crop residue or weeds increases, spray gallonage should be increased within the recommended range for complete coverage. Add a nonionic spreader surfactant, (approved for use on crops) containing at least 75 percent surfactant active agent at 8 ounces per 100 gallons of diluted spray. REFER TO THE GRAMOXONE EXTRA LABEL FOR PRECAUTIONARY STATEMENTS.

11.2.3 2,4-D

When used as directed, 2,4-D in labeled tank mixtures controls many emerged annual and perennial broadleaf weeds. For emerged weeds controlled see the WEEDS CONTROLLED section of the label for 2,4-D.

Broadcast Treatment

Apply 1 to 2 pints of 2,4-D (amine or low-volatile ester) in the recommended tank mixtures. Applications should

be made 7 to 14 days before planting or 3 to 5 days after planting but BEFORE CORN EMERGES. As density of stubble, crop residue or weeds increase, spray gallonage should be increased within the recommended range for complete coverage.

DO NOT use 2,4-D on light, sandy sods, or where soil moisture is inadequate for normal weed growth. Observe precautions and limitations on the 2,4-D label booklet.

11.3 Early Preplant Application

If emerged weeds are present at the time of treatment, a glyphosate agricultural herbicide, Gramoxone Extra or 2,4-D should be added to this product according to the directions for use on their respective product labels. If unsatisfactory weed control occurs (due to excessively dry or excessively wet conditions) following the earlier application, a postemergent application of an appropriate labeled grass and/or broadleaf weed herbicide may be used. If a postemergence treatment includes the herbicide used early preplant, do not exceed the labeled rate for corn on a given soil texture. Observe all precautions and limitations on the labels for Acetochlor 7.0 EC, glyphosate agricultural herbicides, Gramoxone Extra, 2,4-D and other postemergent herbicides before use of these products.

DO NOT apply tank mixtures containing a Roundup agricultural herbicide, Gramoxone Extra or other contact herbicides by air.

11.3.1 ACETOCHLOR 7.0 EC

This product, when applied in a single application or split application will provide preemergence control or reduced competition of the annual grasses and broadleaf weeds listed in the "WEEDS CONTROLLED" section of this label. If weeds are emerged at time of application, apply a labeled contact herbicide with this product. Observe the directions for use, precautions and restrictions on the label of the contact herbicide.

Approved Application Systems

Ground - Broadcast boom
Dry hulk Fertilizer impregnation

Recommended Rate and Timing of Application

Single application

Application of this product should be made less than 30 days before planting but prior to weed emergence.

NOTE: Application on coarse soils should not be made more than two weeks prior to planting.

Split Application

Apply 60 percent of the recommended rate as a split application prior to weed emergence and no more than 45 days prior to planting and the remaining 40 percent at or immediately following planting but before crop emergence.

See the following table for recommended broadcast rates per am for single and split applications.

	BROADCAST RATE PER ACRE
SOIL TEXTURAL GROUP	Acetochlor 7.0 EC (Pints)
Coarse	1.50 to 2.00
Medium	2.25 to 2.75
Fine	2.75 to 3.00

In order to provide broad-spectrum weed control, both single and spilt applications of this product must be followed with a planned postemergence application of a labeled broadleaf and/or grass herbicide. Observe the

directions for use, precautions and restrictions on the label of the postemergence herbicide before use of these products.

If emerged weeds exist at planting, the application of contact herbicide or tillage is recommended when possible to eliminate existing weeds.

11.3.2 ACETOCHLOR 7.0 EC Plus Atrazine

This tank mixture, when applied in a single application (alone or in a 3-way combination with Princep), split application or as a sequential application to Princep in early preplant programs, will provide preemergence control or reduced competition of annual grasses and broadleaf weeds listed In the "WEEDS CONTROLLED" section of this label.

DO NOT graze treated area or feed treated forage to livestock for 21 days following application of this tank mixture.

The maximum atrazine broadcast application rates for corn:

If no atrazine was applied prior to corn emergence, apply a maximum of 2 pounds active ingredient per acre broadcast. If a postemergence treatment is required following an earlier herbicide application, the total atrazine applied may not exceed 2.5 pounds active ingredient per acre per calendar year.

Apply a maximum of 2.0 pounds active ingredient per acre as a single preemergence application on soils that are not highly erodible or on highly erodible if at leant 30 percent of the soil is covered with plant residues, or

Apply a maximum of 1.6 pounds active ingredient per acre as a single preemergence application on highly erodible soils if <30 percent of the surface is covered with plant residues; or 2.0 pounds active ingredient per acre if only applied postemergence.

CORN, SOYBEANS* OR MILO (SORGHUM) can be planted the year following use of this mixture.

There is a possibility of injury due to carryover of atrazine if soybeans are planted the following year. DO NOT plant soybeans the year following use of this tank mixture or furrow irrigated corn.

Approved Application Systems

Ground -- Broadcast boom
Dry Bulk Fertilizer Impregnation

Recommended Rate and Timing of Application

Single application

Application of this product should be made less than 30 days before planting but prior to weed emergence.

NOTE: Application on course soils should not be made more than two weeks prier to planting.

Split application

Apply 60 percent of the recommended rate as a split application prior to weed emergence and no more than 45 days prior to planting and the remaining 40 percent at or immediately following planting but before crop emergence.

See the following table for recommended broadcast rates, per acre for single and split applications.

	BROADCAST RATE PER ACRE		
SOIL TEXTURAL GROUP	Acetochlor 7.0 EC* (Pints)	+	Atrazine 4L** (quarts)

Coarse	1.75		1.25 to 1.5
Medium	1.75 to 2.25		1.50 to 2.0
Fine	2.00 to 2.50		1.50 to 2.0

* Use the higher rates in the recommended ranges in areas of heavy weed infestation.
** Use rates listed in this label when using atrazine 4L, Use equivalent rates when using atrazine 90 percent dry flowable formulations. One quart of atrazine 4L equals 1.1 pounds of atrazine 90 percent dry flowable.

If emerged weeds exist at planting, the application of contact herbicide or tillage is recommended when possible to eliminate existing weeds.

Sequential Application

Apply 1 to 1.25 quarts per acre of Princep prior to weed emergence and no more than 45 days prior to planting. At or immediately following planting, but before crop emergence, apply the recommended rate of this tank mixture.

NOTE: LAND TREATED WITH PRINCEP SHOULD NOT BE PLANTED TO ANY CROP OTHER THAN CORN FOR ONE YEAR FOLLOWING TREATMENT AS CROP INJURY MAY OCCUR, AFTER HARVEST OF TREATED CROP, PLOW AND THOROUGHLY TILL THE SOIL IN THE FALL OR SPRING TO MINIMIZE POSSIBLE INJURY TO SPRING SEEDED ROTATIONAL CROPS.

Following application of Princep, see the following table for recommended rates.

	BROADCAST RATE PER ACRE		
SOIL TEXTURAL GROUP	Acetochlor 7.0 EC* (Pints)	+	Atrazine 4L** (quarts)
Coarse	1.75		1.25
Medium	1.75 to 2.25		1.50
Fine	2.00 to 2.50		1.50 to 2.0

* Use the higher rates in the recommended ranges in areas of heavy weed infestation.
** Use rates listed in this label when using atrazine 4L. Use equivalent rates when using atrazine 90 percent dry flowable formulations. One quart of atrazine 4L equals 1.1 pounds of atrazine percent dry flowable.

12.0 CONVENTIONAL TILLAGE

NOTE: Each section of this label provides recommended treatment rates for this product and tank mixtures including this product. Applications that are not consistent with recommendations in this label may result in unsatisfactory weed control, injury to crops, persons or animals, or other unintended consequences. Refer to specific product labels for crop rotation restrictions and cautionary statements of all products used in these tank mixtures, including precautions on soil pH sensitive varieties, minimum re-cropping interval and rotational guidelines.

Use the higher rates in the recommended ranges in areas of heavy weed infestation or where other specified. If emerged weeds exist at planting, the application of a contact herbicide or tillage is recommended when possible to eliminate existing weeds. Do not apply when conditions favor drift.

Detailed information regarding "APPLICATION SYSTEMS" and "APPLICATION TIMINGS AND METHODS" appears in the "GENERAL INFORMATION" section and should be carefully reviewed in conjunction with the information in this section. If the specific information in this Section differs from the "GENERAL INFORMATION", the specific information should control.

12.1 ACETOCHLOR 7.0 EC

Apply this product in water or sprayable fluid fertilizer solution.

Approved Application Systems

Ground - Broadcast Boom; banded
Dry Bulk Fertilizer Impregnation

Approved Application Methods

Preplant Incorporated; Preemergence Surface

Postemergence Surface

Apply this product prior to weed emergence and before corn reaches 11 inches in height. Do not exceed 3.4 pints per acre. Weeds emerges at the time of application are not controlled by this product. If weeds are emerged at application, shallowly cultivate or rotary hoe to improve performance. DO NOT make postemergence surface applications using sprayable fluid fertilizer as the carrier because severe crop injury may occur.

RECOMMENDED RATES: Refer to the following tables for the recommended broadcast treatment rates for this product. Applications which are not consistent with recommendations n this label may result in unsatisfactory weed control or crop injury.

Application Rates

	BROADCAST RATE PER ACRE (pints)*	
SOIL TEXTURAL GROUP	Less than 3% organic matter	3% or more organic matter**
Coarse	1.25 to 1.75	1.75
Medium	1.75 to 2.25	1.75 to 2.25
Fine	1.75 to 2.25	2.25 to 2.75

* Use the higher rate in the recommended range in areas of heavy weed infestation.

** On soils with 6 to 10 percent organic matter use 2.5 to 3.4 pints/acre. On soils with more than 10 percent organic matter, use 3.4 pints/acre.

12.2 ACETOCHLOR 7.0 EC Plus Roundup WeatherMAX on Roundup Ready Corn and Roundup Ready Corn 2

This program may be used postemergence to Roundup Ready Corn and Roundup Ready Corn 2 from seedling emergence until the corn reaches 11 inches in height. Refer to the Roundup WeatherMAX other glyphosate agricultural herbicide labels for specific weeds controlled postemergence.

AVOID DRIFT. EXTREME CARE MUST BE USED WHEN APPLYING THIS PRODUCT TO PREVENT INJURY TO DESIRABLE PLANTS AND CROPS WHICH DO NOT CONTAIN THE ROUNDUP READY GENE.

Approved Application Systems
Ground - broadcast boom

Approved Application Methods

Preemergence Surface

Sequential Program

This product may be applied preemergence to Roundup Ready Corn and Roundup Ready Corn 2 at the Roundup Ready Rate of 1.5 pints per acre in a planned preemergence followed by glyphosate agricultural herbicide postemergence sequential program.

Postemergence Surface

This product is applied postemergence to Roundup Ready Corn and Roundup Ready Corn 2 from seedling emergence until the corn is 11 inches in height. The Roundup Ready Rate for this product is 1.5 pints per some. Labeled use rates for this tank mix are defined in the table below. Use the higher rate on larger weeds and where heavy weed infestations exist. This tank mix should be applied when weeds are 2 to 4 inches in height and before the weed height and/or density become competitive with the crop.

For difficult to control weeds such as fall panicum, barnyard grass, crabgrass, shattercane, broadleaf signalgrass and Pennsylvania smartweed use the higher rate of Roundup WeatherMAX or equivalent rates or other glyphosate agricultural herbicides.

ROUNDUP READY RATE – ACETOCHLOR 7.0 EC at 1.5 pints per acre.

Application Rates (Minimum and Maximum range)

	BROADCAST RATE PER ACRE	
SOIL TEXTURAL GROUP	Acetochlor 7.0 EC (Pints)	Roundup WeatherMAX
Coarse	1.0 to 1.75	16 to 22
Medium	1.75 to 2.25	16 to 22
Fine	2.00 to 2.50	16 to 22

12.3 Acetochlor 7.0 EC plus Accent

Apply this tank mixture in water after crop emergence to provide preemergence and postemergence control of certain grass and broadleaf weeds. Refer to the Accent herbicide label for specific weeds controlled postemergence. Applications which are not consistent with recommendations in this label may result in unsatisfactory weed control or crop injury.

Approved Application Systems

Ground - Broadcast boom; banded

Approved Application Methods

Postemergence Surface

Apply this tank mixture after corn emergence up to 11 inches in height and until grasses are 3 inches in height_ Applications made after weeds exceed 3 inches in height may not provide satisfactory control. Always add a nonionic surfactant at 0.25 percent v/v. This tank mixture will not control certain emerged broadleaf weeds. Addition of Dicamba DMA or Permit herbicide will improve performance on broadleaf weeds.

Refer to the Accent herbicide label for specific weeds controlled. Some leaf burn to corn may occur occasionally but subsequent growth or yield should not be affected.

Application Rates

	BROADCAST RATE PER ACRE*					
	Less than 3% organic matter			3% or more organic matter**		
SOIL TEXTURAL GROUP	Acetochlor 7.0 EC	+	Accent*** (ounces)	Acetochlor 7.0 EC	+	Accent (ounces)
Coarse	1.00 to 1.25		½ to 2/3	1.25 to 1.75		½ to 2/3
Medium	1.25 to 2.25		½ to 2/3	1.75 to 2.25		½ to 2/3
Fine	1.75 to 2.25		½ to 2/3	1.75 to 2.75		½ to 2/3

* Use the higher rate in the recommended ranges in areas of heavy weed Infestation.

** On soils with 6 to 10 percent organic matter use 2.5 to 3.4 pints/acre. On soils with more than 10 percent organic matter, use 3.4 pints/acre.

*** The Accent rate may be reduced to 1/3 to 2/3 ounce per acre if grasses are less then 2 inches in height when sprayed.

12.4 Acetochlor 7.0 EC plus Atrazine

Apply this tank mixture in water or sprayable fluid fertilizer.

Approved Application Systems
Ground-Broadcast boom; banded
Dry Bulk Fertilizer Impregnation

Approved Application Methods
Preplant Incorporated; Preemergence Surface

Postemergence Surface
Apply this tank mixture before weeds reach the 2-leaf stage and the corn is no more than 11 inches in height. Applications made beyond the 2-leaf stage may not provide satisfactory weed control. Some leaf burn to corn may occur occasionally but subsequent growth or yield should not be affected. DO NOT make postemergence surface applications using sprayable fluid fertilizer as the carrier because severe crop injury may occur.

The maximum atrazine broadcast application rates for corn:

- If no atrazine was applied prior to corn emergence, apply a maximum of 2 pounds active ingredient per acre broadcast. If a postemergence treatment is required following an earlier herbicide application, the total atrazine applied may not exceed 2.5 pounds active ingredient per acre per calendar year.
- Apply a maximum of 2.0 pounds active ingredient per acre as a single preemergence application on soils that are not highly erodible or on highly erodible if at least 30 percent of the soil is covered with plant residues, or
- Apply a maximum of 1.6 pounds active ingredient per acre as a single preemergence application on highly erodible soils if <30 percent of the surface is covered with plant residues; or 2.0 pounds active ingredient per acre if only applied post emergence.

CORN, SOYBEANS* CR MILO (SORGHUM) can be planted the year following use of this mixture.

- There is a possibility of injury due to carryover of atrazine if soybeans are planted the following year. DO NOT plant soybeans the year following use of this tank mixture on furrow irrigated corn.

DO NOT graze treated area or feed treated forage to livestock for 21 days following application of this tank mixture.

Application Rates

BROADCAST RATE PER ACRE*

	LESS THAN 3% ORGANIC MATTER			3% OR MORE ORGANIC MATTER		
SOIL TEXTURAL GROUP	Acetochlor 7.0 EC (pints)	+	ATRAZINE 4L** (quarts)	Acetochlor 7.0 EC (pints)	+	ATRAZINE 4L** (quarts)
Coarse	1.00 to 1.25		1.25 to 2.00	1.25 to 1.75		1.25 to 2.0
Medium	1.25 to 1.75		1.25 to 2.0	1.75 to 2.25		1.50 to 2.0
Fine	1.75 to 2.25		1.50 to 2.0	1.75 to 2.25		1.50 to 2.0

*Use the higher rate in the recommended ranges in areas of heavy weed infestation. In areas restricted to 1 pound atrazine per acre (1 quart atrazine 4L) or where less atrazine per acre is desired, on medium- and fine-textured soils use 2.75 pints of Acetochlor 7.0 EC herbicide in a tank mixture with 1 quart atrazine 4L per acre for control of grass and broadleaf weeds listed except cocklebur.

**Use rates listed in this label when using Atrazine 4L. Use equivalent rates when using atrazine 90 percent dry flowable formulations. One quart of atrazine 4L equals 1.1 pounds of atrazine 90 percent dry flowable.

12.5 Acetochlor 7.0 EC Plus Balance Pro

For Use in Field Corn and Silage Corn

Approved Application Systems
Ground – Broadcast boom; banded.

Approved Application Method

Preemergence Surface

Balance PRO is not registered in all states. Follow all Restrictions and Precautions on the Balance PRO label including planting depth, environmental precautions, and soil type restrictions.

Follow the Balance PRO Technical Bulletins, 24(c) labels and 2(ee) recommendations for additional use rate restrictions based on soil textures and depth to groundwater in various states.

Application Rates:

BROADCAST RATE PER ACRE

	LESS THAN 3% ORGANIC MATTER			3% OR MORE ORGANIC MATTER		
SOIL TEXTURAL GROUP	Acetochlor 7.0 EC (pints)	+	BALANCE PRO (ounces)	Acetochlor 7.0 EC (pints)	+	BALANCE PRO (ounces)
Coarse*	1.00 to 1.75		1.0 to 1.88	1.25 to 1.75		1.0 to 1.88
Medium	1.25 to 2.25		1.0 to 2.50	1.25 to 2.25		1.50 to 3.0
Fine	1.25 to 2.25		1.50 to 2.75	1.75 to 2.75		2.0 to 3.50

*It is not recommended to use Balance PRO on coarse soils with less than 1.5% organic matter.

12.5 Acetochlor 7.0 EC plus Dicamba DMA Or Clarity

For use on level or flat-planted field corn on soils with more than 2 percent organic matter.

Apply in water or sprayable fluid fertilizer solutions for control of the annual grasses and broadleaf weeds listed in the 'WEEDS CONTROLLED' section of this label.

Approved Application Systems
Ground—Broadcast boom; banded

Approved Application Methods

Preemergence Surface
Apply this tank mixture after planting, before crop and weeds emerge and within 5 days of last preplant tillage operation. Corn seeds must be planted 1-1/2 inches or deeper beneath the soil surface. Direct chemical contract with corn seed must be avoided since crop injury may result. Apply far enough behind planter equipment to avoid any incorporation by the planter wheel or other covering device. Do not apply if corn seeds are planted less than 1-1/2 inches beneath the soil surface.

For Use on Kochia – Preemergence Surface only – Dicamba DMA and Clarity tank mix rates may be reduced to 0.25 to 0.5 pint per acre in soils less than 3% organic matter, or 0.5 pint per acre in soils equal to or greater than 3% organic matter. Follow all label restrictions.

Postemergence Surface
Apply this tank mixture prior to emergence of grasses and before corn exceeds 8 inches in height. This tank mixture does not control emerged grasses. Addition of Accent to this tank mixture will improve control of emerged grasses. Some leaf burn to corn may occur occasionally but subsequent growth or yield should not be affected. DO NOT make postemergence surface applications using sprayable fluid fertilizer as the carrier because severe crop injury may occur.

NOTE: PREVENT DRIFT TO SOYBEANS OR OTHER DESIRABLE PLANTS. Do not use on furrow-irrigated corn, or when corn is planted at the bottom of a furrow, utilizing lister, till or other similar planting methods. DO NOT incorporate after planting or corn emergence. If it is necessary to drag for leveling or rotary hoe to break soil crust. DO NOT disturb the soil more than ½ inch deep.

Application Rates

BROADCAST RATE PER ACRE*

	LESS THAN 3% ORGANIC MATTER			3% OR MORE ORGANIC MATTER		
SOIL TEXTURAL GROUP	Acetochlor 7.0 EC (pints)	+	BANVEL or CLARITY (pints)	Acetochlor 7.0 EC (pints)	+	BANVEL or CLARITY (pints)
Coarse**	1.00 to 1.75		1	1.75		1
Medium	1.75 to 2.25		1	1.75 to 2.25		1
Fine	1.75 to 2.25		1	2.25 to 2.75		1

*Use the higher rate in the recommended ranges in areas of heavy weed infestation.
**On coarse-textured soils containing 2 percent or more organic matter, use Acetochlor 7.0 EC herbicide plus Dicamba DMA or Clarity only on sandy loam. Do not use on sand and loamy sand with less than 2 percent organic matter.

12.7 Acetochlor 7.0 EC Plus Callisto™

For Postemergence surface applications for field corn, production seed corn and silage corn

Approved Application Systems
Ground-Broadcast boom; banded

Approved Application Methods

Postemergence Surface

Callisto is not registered in all states. Follow all Restrictions and Precautions on the Callisto label including planting depth, environmental precautions, and soil type restrictions.

Do not apply to the following soils if ground water depth is 30 feet or less: sands with less than 3% organic matter: loamy sands with less than 2% organic matter or sandy loams with less then 1% organic matter,

RECOMMENDATION

Acetochlor 7.0 EC may be tank-mixed with 3 ounces of Callisto for postemergence applications:

- Use the labeled rates of Acetochlor 7.0 EC that correspond to the soil texture and organic matter.
- Broadleaf weeds should not exceed 5 inches for Callisto applications.
- Accent herbicide may be added for postemergence grass control. Follow the label for Accent rates and maximum grass sizes.
- Corn must be sprayed before it exceeds 11 inches in height.
- Add 2.5% (v/v) spray grade UAN (28%N) or AMS (8.5 lbs/100 gallons spray solution)
- The addition of 0.25% (v/v) NIS to Acetochlor 7.0 EC will aid in emerged weed control.
- DO NOT use Methylated Soybean Oil (MSO).
- DO NOT make post applications using sprayable fluid fertilizer as the carrier because severe crop injury may occur.

12.8 Acetochlor 7.0 EC plus Hornet WDG

Only Apply This Tank Mixture to Field Corn

Apply in water or sprayable fluid fertilizer solutions for control of the annual grasses and broadleaf weeds listed in the "WEEDS CONTROLLED" section of this label.

Approved Application Systems
Ground-Broadcast boom; banded

Approved Application Methods

Preplant Surface, Preplant Incorporated Applied
For minimum-tillage or no tillage systems this tank mix may be applied up to 30 days before planting. If weeds are present at the time of treatment, apply in a tank mixture combination with an appropriate contact herbicide. Observe all directions for use, precautions and restrictions on the label of the contact herbicide. During the planting operation, be careful not to move untreated soil to the surface or move treated soil out of the row, as weed control may be reduced.

Preemergence Surface
Apply this tank mixture after planting, before crop and weeds emerge and within 5 days of last preplant tillage operation. Adequate soil moisture is required for optimum herbicidal activity. Precipitation or overhead sprinkler irrigation is required after application to move the herbicide treatment into the weed germination zone.

NOTE: For all soil applications of this tank mixture, corn seeds must be planted 1-1/2 inches or deeper beneath the soil surface.

DO NOT use this tank mixture when Counter™ (terbufos) or Thimet™ (phorate) insecticides are to be applied due to the risk of severe crop injury.

Postemergence Surface
Apply this tank mixture before grasses have reached the 2-leaf stage and the corn is less than 11 inches in height. Applications made to grasses beyond the 2-leaf stage may not provide satisfactory control. Some leaf burn to corn may occur occasionally but subsequent growth or yield should not be affected. Include a non-ionic surfactant at 0.25 percent v/v (1 qt/100 gal) or crop oil concentrate at 1 percent v/v for all postemergence applications. DO NOT make postemergence surface tank mixture applications using sprayable fluid fertilizer as the total carrier because severe crop injury may occur.

This tank mixture may be combined with Accent herbicide at 1/3 or 2/3 ounces per acre to increase control of emerged grasses. Follow all label restrictions and directions.

NOTE: Avoid all direct or indirect contact with nontarget plants. Spray drift of this tank mixture to emerged soybeans or soil to which soybeans will be planted during the same growing season may cause soybean injury.

NOTE: OBSERVE ALL PRECAUTIONS AND LIMITATIONS OF THE Acetochlor 7.0 EC AND HORNET WDG LABELS BEFORE USE OF THIS TANK MIXTURE, INCLUDING PRECAUTIONS ON SOIL RESTRICTIONS, SOIL INSECTICIDES, ROTATIONAL RESTRICTIONS, AND SPRAYER CLEANUP.

Application Rates

BROADCAST RATE PER ACRE*

	LESS THAN 3% ORGANIC MATTER			3% OR MORE ORGANIC MATTER		
SOIL TEXTURAL GROUP	Acetochlor 7.0 EC (pints)	+	HORNET WDG (ounces)	Acetochlor 7.0 EC (pints)	+	HORNET WDG (ounces)
Coarse**	1.25 to 1.75		3.0	1.75		3.0
Medium	1.75 to 2.25		3.0 to 4.0	1.75 to 2.25		3.0 to 4.0
Fine	1.75 to 2.25		3.0 to 4.0	2.25 to 2.75		3.0 to 4.0

*In areas of heavy weed infestation use the higher rates.
**Hornet may be substituted for Hornet WDG at 80% of the rates above.

12.9 Acetochlor 7.0 EC plus Marksman (or generic equivalent such as Range Star)

For use on level or flat-planted field corn on soils with more than 2 percent organic matter.

Apply in water or sprayable fluid fertilizer solutions for control of the annual grasses and broadleaf weeds listed for Acetochlor 7.0 EC plus atrazine in the "WEEDS CONTROLLED" section of this label.

Approved Application Systems
Ground —Broadcast boom; banded

Approved Application Methods

Preemergence Surface
Apply this tank mixture after planting, before crop and weeds emerge and within 5 days of last preplant tillage operation. Corn seeds must be planted 1-1/2 inches or deeper beneath the soil surface. Direct chemical contact with corn seed must be avoided since crop injury may result. Apply far enough behind planter equipment to avoid any incorporation by the planter wheel or other covering device. Do not apply if corn seeds are planted less than 1-1/2 inches beneath the soil surface.

Far Kochia preemergence use only — Marksman may be reduced to 1.0 to 2.0 pints per acre in soils less than 3% organic matter, or 2.0 pints per acre in soils equal to or greater than 3% organic matter. Follow all label restrictions.

Postemergence Surface
Apply this tank mixture before grasses reach the 2-leaf stage and the corn reaches 6 inches in height. Applications made beyond the 2-leaf stage will not provide satisfactory grass control. Some leaf burn to corn may occur occasionally but subsequent growth or yield should not be affected. DO NOT make postemergence surface applications using sprayable fluid fertilizer as the carrier because severe crop injury may occur.

NOTE: PREVENT DRIFT TO SOYBEANS OR OTHER DESIRABLE PLANTS. Do not use on furrow-irrigated corn, or when corn is planted at the bottom of a furrow, utilizing lister, till or other similar planting methods. DO NOT incorporate after planting or corn emergence. If it is necessary to drag for leveling or rotary hoe to break soil crust. DO NOT disturb the soil more than ½ inch deep.

Application Rates

BROADCAST RATE PER ACRE*

	LESS THAN 3% ORGANIC MATTER			3% OR MORE ORGANIC MATTER		
SOIL TEXTURAL GROUP	Acetochlor 7.0 EC (pints)	+	MARKSMAN (pints)	Acetochlor 7.0 EC (pints)	+	MARKSMAN (pints)
Coarse**	1.25 to 1.75		3.5	1.75		3.5
Medium	1.75 to 2.25		3.5	1.75 to 2.25		3.5
Fine	1.75 to 2.25		3.5	2.25 to 2.75		3.5

*Use the higher rate in the recommended ranges in areas of heavy weed infestation.
**On soils with 6 to 10 percent organic matter use 2.5 to 3.4 pints/acre. On soils with more than 10 percent organic matter use 3.4 pints/acre.

12.10 Acetochlor 7.0 EC plus Permit

Apply this tank mixture in water after crop emergence to provide preemergence control of certain grass and broadleaf weeds and postemergence control of broadleaf weeds listed on the Permit herbicide label.

Approved Application Systems
Ground-Broadcast boom, banded

Approved Application Methods

Postemergence Surface
Apply this tank mixture after corn emergence up to 11 inches in height and until weeds reach 3 inches in height. This tank mixture will not provide control of emerged grasses. Addition of Accent to this tank mixture will control of emerged grasses. Some leaf burn to corn may occur occasionally but subsequent growth or yield should not be affected.

Application Rates

BROADCAST RATE PER ACRE

	LESS THAN 3% ORGANIC MATTER			3% OR MORE ORGANIC MATTER		
SOIL TEXTURAL GROUP	Acetochlor 7.0 EC* (pints)	+	PERMIT (ounces)	Acetochlor 7.0 EC* (pints)	+	PERMIT (ounces)
Coarse	1.25 to 1.75		2/3	1.75		2/3
Medium	1.75 to 2.25		2/3	1.75 to 2.25		2/3
Fine	1.75 to 2.25		2/3	2.25 to 2.75		2/3

*Use this higher rate is the recommended ranges in areas of heavy weed infestation.

12.11 Acetochlor 7.0 EC Plus Princep

Apply this tank mixture in water or sprayable fluid fertilizer.

Approved Application Systems
Ground-Broadcast boom; banded
Dry Bulk Fertilizer impregnation

Approved Application Methods

Preplant Incorporated
Apply this tank mixture within 14 days prior to planting and shallowly incorporate or Surface Blend into the upper 1 to 2 inches of soil.

Preemergence Surface
Apply this tank mixture after planting, before crop and weed emergence and within 5 days after last preplant tillage operation.

NOTE: LAND TREATED WITH PRINCEP SHOULD NOT BE PLANTED TO ANY CROP OTHER THAN CORN FOR ONE YEAR FOLLOWING TREATMENT AS CROP INJURY MAY OCCUR. AFTER HARVEST OF TREATED CROP, PLOW AND THOROUGHLY TILL THE SOIL IN THE FALL OR SPRING TO MINIMIZE POSSIBLE INJURY TO SPRING SEEDED ROTATIONAL CROPS.

Application Rates

BROADCAST RATE PER ACRE*

	LESS THAN 3% ORGANIC MATTER			3% OR MORE ORGANIC MATTER		
SOIL TEXTURAL GROUP	Acetochlor 7.0 EC (pints)	+	PRINCEP 4L** (quarts)	Acetochlor 7.0 EC (pints)	+	PRINCEP 4L** (quarts)
Coarse	1.00 to 1.25		1.25 to 2.0	1.25 to 1.75		1.25 to 2.0
Medium	1.25 to 2.25		1.5 to 2.0	1.75 to 2.25		1.5 to 2.0
Fine	1.75 to 2.25		1.5 to 2.0	1.75 to 2.25		1.5 to 2.0

*Use the higher rate in the recommended ranges in areas of heavy weed infestation.
**Use rates listed on this label when using Princep 4L. Use equivalent rates when using Princep 90 percent dry flowable formulations. One quart of Princep 4L equals 1.1 pounds of Princep 90 percent dry flowable.

12.12 Acetochlor 7.0 EC plus Prowl

Apply this tank mixture in water or sprayable fluid fertilizer.

Approved Application Systems
Ground-Broadcast boom, banded
Dry Bulk Fertilizer Impregnation

Approved Application Methods

Preemergence Surface
Apply this tank mixture after planting, before crop and weed emergence and within 5 days after last preplant tillage operation.

DO NOT preplant incorporate this tank mixture as serious crop injury can result.

Application Rates

BROADCAST RATE PER ACRE*

	LESS THAN 3% ORGANIC MATTER			3% OR MORE ORGANIC MATTER		
SOIL TEXTURAL GROUP	Acetochlor 7.0 EC (pints)	+	PROWL** (pints)	Acetochlor 7.0 EC (pints)	+	PROWL** (pints)
Coarse	1.25 to 1.75		1.0	1.50 to 1.75		1.0
Medium	1.50 to 2.25		1.0 to 2.0	1.75 to 2.25		1.0 to 2.0
Fine	1.75 to 2.25		1.0 to 2.0	2.00 to 2.75		1.0 to 2.0

*Use the higher rate in the recommended ranges in areas of heavy weed infestation.
**Use rates listed in this label when using Prowl. Use equivalent rates when using Prowl 3.3 EC. One quart of Prowl equals 1.2 quarts of Prowl 3.3 EC.

12.13 Acetochlor 7.0 EC Plus Pursuit

Apply this tank mixture in water or sprayable fluid fertilizer.

Approved Application Systems
Ground-Broadcast boom; banded

Approved Application Methods

Preplant Incorporated; Preemergence Surface

Postemergence Surface
Apply this tank mixture before weeds reach 3 inches in height and the corn is no more than 11 inches in height. Applications made after weeds are beyond 3 inches in height may not provide satisfactory control. Some leaf burn to corn may occur occasionally but subsequent growth or yield should not be affected. DO NOT make postemergence surface applications using sprayable fluid fertilizer as the carrier because severe crop injury may occur.

NOTE: THIS TANK MIXTURE IS FOR USE ONLY ON SELECTED FIELD CORN HYBRIDS (IMI CORN) WARRANTED BY THE SEED COMPANY TO POSSESS RESISTANCE/TOLERANCE TO DIRECT APPLICATION OF PURSUIT (FOR EXAMPLE: PIONEER IR HYBRIDS), DO NOT APPLY PURSUIT TO CORN HYBRIDS WHICH LACK GENETIC RESISTANCE/TOLERANCE TO PURSUIT HERBICIDE. OBSERVE ALL PRECAUTIONS AND LIMITATIONS ON THE Acetochlor 7.0 EC HERBICIDE AND PURSUIT LABELS BEFORE USE OF THIS TANK MIXTURE INCLUDING PRECAUTIONS ON MINIMUM RECROPPING INTERVAL AND ROTATIONAL GUIDELINES.

Application Rates

BROADCAST RATE PER ACRE*

	LESS THAN 3% ORGANIC MATTER			3% OR MORE ORGANIC MATTER		
SOIL TEXTURAL GROUP	Acetochlor 7.0 EC (pints)	+	PURSUIT (ounces)	Acetochlor 7.0 EC (pints)	+	PURSUIT (ounces)
Coarse	1.00 to 1.25		4	1.25 to 1.75		4
Medium	1.25 to 1.75		4	1.75 to 2.25		4
Fine	1.75 to 2.25		4	1.75 to 2.25		4

*Use the higher rate in the recommended ranges in areas of heavy weed infestation.

12.14 Acetochlor 7.0 EC plus Atrazine plus Prowl

Apply this tank mixture in water or sprayable fluid fertilizer solutions for additional control of triazine-resistant lambsquarters and pigweed in addition to yellow nutsedge and the annual grasses and broadleaf weeds.

Approved Application Systems
Ground-Broadcast boom; banded
Dry Sulk Fertilizer Impregnation

Approved Application Methods

Preemergence Surface
DO NOT preplant incorporate this tank mixture as serious crop injury can result.

The maximum atrazine broadcast application rates for corn:

- If no atrazine was applied prior to corn emergence, apply a maximum of 2 pounds active ingredient per acre broadcast. If a postemergence treatment is required following an earlier herbicide application, the total atrazine applied may not exceed 2.5 pounds active ingredient per acre per calendar year.
- Apply a maximum of 2.0 pounds active ingredient per acre as a single preemergence application on

soils that are not highly erodible or on highly erodible if at least 30 percent of the soil is covered with plant residues, or

- Apply a maximum of 1.6 pounds active ingredient per acre as a single preemergence application on highly erodible soils if <30 percent of the surface is covered with plant residues; or 2.0 pounds active ingredient per acre if only applied postemergence.

CORN, SOYBEANS*" OR MILO (SORGHUM) can be planted the year following use of this mixture.

- There is a possibility of injury due to carryover of atrazine if soybeans are planted the following year. DO NOT plant soybeans the year following use of this tank mixture on furrow irrigated corn.

Application Rates

BROADCAST RATE PER ACRE*

	LESS THAN 3% ORGANIC MATTER				
SOIL TEXTURAL GROUP	Acetochlor 7.0 EC (pints)	+	ATRAZINE 4L** (quarts)	+	PROWL** (quarts)
Coarse	1.00 to 1.25		0.75 to 2.0		0.75
Medium	1.25 to 1.75		1.00 to 2.0		0.75 to 1.0
Fine	1.25 to 1.75		1.25 to 2.0		1.00

BROADCAST RATE PER ACRE*

	MORE THAN 3% ORGANIC MATTER				
SOIL TEXTURAL GROUP	Acetochlor 7.0 EC (pints)	+	ATRAZINE 4L** (quarts)	+	PROWL** (quarts)
Coarse	1.25 to 1.75		1.00 to 2.0		0.75 to 1.0
Medium	1.50 to 2.0		1.25 to 2.0		1.0
Fine	1.75 to 2.25		1.25 to 2.0		1.0

*Use the higher rates in the recommended ranges in areas of heavy weed infestation.
**Use rates listed in this label using atrazine 4L and Prowl. Use equivalent rates when using atrazine 90 percent dry flowable and Prowl 3.3 EC formulations. One quart of atrazine 4L equals 1.1 pounds of atrazine 90 percent dry flowable. One quart of Prowl equals 1.2 quarts of Prowl 3.3 EC.

12.15 Acetochlor 7.0 EC Plus Python™ WDG

Only Apply This Tank Mixture To Field Corn.

Apply in water or sprayable fluid fertilizer solutions for control of the annual grasses and broadleaf weeds listed in the "WEEDS CONTROLLED" section of this label.

Approved Application Systems
Ground-Broadcast boom; banded

Approved Application Methods

Preplant Surface Applied
For minimum—tillage or no tillage systems this tank mix may be applied up to 30 days before planting. If weeds are present at me time of treatment, apply in a tank mixture combination with an appropriate contact herbicide. Observe directions for use, precautions and restrictions on the label of the contact herbicide. During the planting operation, be careful not to move untreated soil to the surface or move treated soil out of the row, as weed control may be reduced.

Preemergence Surface

NOTE: For all soil applications of this tank mixture, corn seeds must be planted 1-1/2 inches or deeper beneath

the soil surface.

DO NOT use this tank mixture when Counter (terbufos) or Thimet (phorate) Insecticides are to be applied due to the risk of severe crop injury.

NOTE: Avoid all direct or indirect contact with nontarget plants. Spray drift of this tank mixture to emerged soybeans or soil to which soybeans will be planted during the same growing season may cause soybean injury.

NOTE: OBSERVE ALL PRECAUTIONS AND LIMITATIONS OF Acetochlor 7.0 EC AND PYTHON LABELS BEFORE USE OF THIS TANK MIXTURE, INCLUDING PRECAUTIONS ON SOIL RESTRICTIONS, SOIL INSECTICIDES, ROTATIONAL RESTRICTIONS, AND SPRAYER CLEANUP.

Application Rates

BROADCAST RATE PER ACRE*

	LESS THAN 3% ORGANIC MATTER			3% OR MORE ORGANIC MATTER		
SOIL TEXTURAL GROUP	Acetochlor 7.0 EC (pints)	+	PYTHON WDG (ounces)	Acetochlor 7.0 EC (pints)	+	PYTHON WDG (ounces)
Coarse**	1.25 to 1.75		0.80	1.75		0.89
Medium	1.75 to 2.25		0.89	1.75 to 2.25		1.0
Fine	1.75 to 2.25		0.89	2.25 to 2.75		1.0

*In areas of heavy weed infestation use the higher rates.
**Refer to the "USE RESTRICTIONS" and "GENERAL INFORMATION" sections of this label land PYTHON WDG for restrictions.

13.0 LIMIT OF WARRANTY AND LIABILITY

This Company warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes set forth in the Complete Directions for Use label booklet ("Directions') when used in accordance with those Directions under the conditions described therein. NO OTHER EXPRESS WARRANTY OR IMPLIED WARRANTY OF FITNESS FOR PARTICULAR PURPOSE OR MERCHANTABILITY IS MADE. This warranty is also subject to the conditions and limitations stated herein.

Buyer and all users shall promptly notify this Company of any claims whether based in contract, negligence, strict liability, other tort or otherwise.

Buyer and all users are responsible for all loss or damage from use or handling which results from conditions beyond the control of this Company, including, but not limited to, incompatibility with products other than those set forth in the Directions, unusual weather, weather conditions which are outside the range considered normal at the application site and for the time period when the product is applied, as well as weather conditions which are outside the application ranges set forth in the Directions, application in any manner not explicitly set forth in the Directions, moisture conditions outside the moisture range specified in the Directions, or the presence of products other than those set forth in the Directions in or on the soil, crop or treated vegetation.

This company does not warrant any product reformulated or repack-aged from this product except in accordance with this Company's stewardship requirements and with express written permission from this Company.

THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE LIMIT OF THE LIABILITY OF THIS COMPANY OR ANY OTHER SELLER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT (INCLUDING CLAIMS BASED IN CONTRACT, NEGLIGENCE, STRICT LIABILITY OTHER TORT OR OTHERWISE) SHALL BE THE PURCHASE PRICE PAID BY THE USER OR BUYER FOR THE QUANTITY OF THIS PRODUCT INVOLVED, OR, AT THE ELECTION OF THIS COMPANY OR ANY OTHER SELLER, THE REPLACEMENT OF SUCH QUANTITY, OR, IF NOT ACQUIRED BY PURCHASE, REPLACEMENT OF SUCH QUANTITY IN NO EVENT SHALL THIS COMPANY OR ANY OTHER SELLER BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES.

Buyer and all users are deemed to have accepted the terms of this LIMIT OF WARRANTY AND LIABILITY which may not be varied by any verbal or written agreement.

Roundup is a registered trademark of Monsanto
Accent is a trademark of E.I. duPont de Nemours and Company.
Agsorb is a trademark of Oil Dri Corporation of America, Agricultural Group.
Banvel, Clarity, Contour, Marksman, Prowl, and Resolve are trademarks of BASF, Corporation.
Princep is a trademark of Novartis Finance Corporation.
Pursuit is a trademark of BASF Agrochemical Products B.V.
Gramoxone is a trademark of Zeneca Limited.
Micro-Cel is a trademark of Celite Corporation, c/o World Minerals, Inc.
Permit is a registered trademark of, and used under license from, Nissan Chemical Industries. Ltd.

FOR OFFICIAL USE ONLY

FILE SYMBOL
REGISTRATION NO.

CONFIDENTIAL STATEMENT OF FORMULA ENCLOSED

DATE SUBMITTED	SUBMITTED BY (✓)	
	APPLICANT	BASIC SUPPLIER

Do Not Write Comments, Formula, or Parts of Formula on This Envelope

NOTE

It shall be unlawful——for any person to use for his own advantage or to reveal, other than to the Secretary ,or officials or employees of the United States Department of Agriculture or other Federal agencies, or to the courts in response to a subpoena,or to physicians,and in emergencies to pharmacists and other qualified persons, for use in the preparation of antidotes, in accordance with such directions as the Secretary may prescribe, any information relative to formulas of products acquired by authority of Section 4 of the "Federal Insecticide, Fungicide, and Rodenticide Act."

PR FORM 9-11
(JULY 1970)

USDA-ARS

Pages 143-144 Confidential Statement of Formula may be entitled to confidential treatment

CHEMICAL NAME/PESTICIDE CHEMICAL CODE (PCC)
REQUEST FORM

FEE

CK# 05-0219

REQUESTOR NAME: Shyam Mathur REQUEST DATE: 6/8/05
TEL: 308-9374 ORG: TRB/RD ROOM: 268 MAIL CODE: 7525C
(DIV./BR.)

CSF ATTACHED:

☑ YES If CSF is attached complete Item A and the chemical name in Item B
☐ NO If CSF is not attached complete Items A through C

A. INFORMATION REQUIRED:

(Check Applicable Category)

☑ Provide PCC and Tolerance Exemption Status For Food-Use Inert Ingredient(s)
☐ Provide PCC for Non-Food Use Inert Ingredient(s)
☐ Provide PCC for Active Ingredient(s)
☐ Provide PCC for Dye
☐ Determine if Fragrance is Acceptable for Use in Formulation
☐ Other (Describe): _____

B. INGREDIENT INFORMATION:

Ingredient No. 1:

Chem. Name: _____
Trade Name: [redacted]
CAS Reg. No.: _____

Ingredient No. 2:

Chem. Name: _____
Trade Name: _____
CAS Reg. No.: _____

Ingredient No. 3:

Chem. Name: _____
Trade Name: _____
CAS Reg. No.: _____

Ingredient No. 4:

Chem. Name: _____
Trade Name: _____
CAS Reg. No.: _____

C. PESTICIDE PRODUCT INFORMATION:

EPA Reg. No./File Symbol: 42750-RNR Product Name: Acetochlor 7.0 EC.
Registrant: Albaugh Inc Food-Use Pesticide: ☑ YES ☐ NO
Precent in Formulation (For Fragrance/Dyes only): _____%

INFORMATION REPORTED: [redacted]

Ingredient No. 1:
PCC: [redacted]
TOL. STATUS: 40 CFR 180.920
OTHER INF.: _____

Ingredient No. 2:
PCC: _____
TOL. STATUS _____
OTHER INF.: _____

Ingredient No. 3:
PCC: _____
TOL. STATUS: _____
OTHER INF.: _____

Ingredient No. 4:
PCC: _____
TOL. STATUS _____
OTHER INF.: _____

Completed By: LINDA FAHN Date Completed: 06/09/2005

Once completed, this form may be entitled to treatment as CBI under section 10 of FIFRA. If so, a red FIFRA CBI cover should be affixed to the request form and the document handled accordingly.

Inert ingredient information may be entitled to confidential treatment

Pages 146-148 Inert ingredient information may be entitled to confidential treatment

Pages 149-151 Confidential Statement of Formula may be entitled to confidential treatment